

# The CHEMIST AND DRUGGIST



Established 1859

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AUGUST 11, 1934

Annual Subscription (with  
Diary) 20/-. Single Copies 9d.

## Bismuth Dyspepsia Tablets

Embodying  
the usual  
Meggeson standard  
of purity  
and  
excellence



## MEGGESON & Co. Ltd.

Established over 130 years

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Telephones: BERMONDSEY 1741-1742 (Private Branch Exchange)



*Thousands Daily Practise 'Harlene-Hair-Drill'*  
**"HARLENE" HAIR TOILET PREPARATIONS**

"Harlene" Hair Toilet Preparations have stood the test of time. Nearly 50 years' reputation for merit and efficacy plus a regular and extensive advertising campaign in the National and Periodical Press keep them pre-eminent.

See that you hold adequate stocks of "Harlene" Hair Toilet Preparations to meet the demand in your district for this popular range. Full particulars gladly sent on request.

*N.B.*—There is now a new 7½d. size "Harlene" Hair Cream—an addition to the range of this already popular newcomer.

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**20/26 LAMB'S CONDUIT STREET, LONDON, W.C.1**

**"HARLENE"**  
HAIR GROWER & TONIC

**"CREMEX"**  
SHAMPOO POWDERS

**"UZON"** Brilliantine

**"HARLENE"**  
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**"HARLENE"** Camomile  
Golden Hair Wash

**"ASTOL"** HAIR  
COLOUR RESTORER

**"HARLENE"** HAIR CREAM

**"HARLENE"** HAIR FIXATIVE



# MORE THAN 4,000 Chemists have



*The Bath of Psyche*

So beautiful was Psyche, lovely Goddess of the ancient Greeks, that even Cupid fell in love with her. Her greatest aid to beauty was her famous bath, a secret of charm which is as potent to-day as in ages past.

But where Psyche enriched her bath with precious herbs and costly cosmetics, the modern girl bathes in water supercharged with invigorating tonic oxygen, to make skin soft and velvety and beautify the figure.

So simple too! Just by crumpling a Reudel Bath Cube in the water, a bath is transformed into a beauty treatment—newly liberated oxygen envelops you, awakening idled tissues to new life, cleaning minute pores deep down below the skin, giving you new vitality, new poise, new grace, new beauty.

*Truly Cupid Lives in The Bathroom*

**REUDEL BATH CUBE**  
2 each

**Free!** THIS BEAUTIFUL HALF-GUINEA PICTURE printed in 11 colours, entirely free of all advertising matter and ready for framing, will be sent you for 12 leaflets from inside Reudel Bath Cubes, together with 3d. in stamps to cover cost of packing and postage. Buy a dozen Cubes to-day and send for this superb art plate while it is available. The gift of the year for art and home-lovers. Only one picture to one address allowed.

**LORD LEIGHTON'S FAMOUS PAINTING IN FULL COLOUR 26" X 10"**

**Get your one dozen 2d. REUDEL BATH CUBES FROM:- YOUR NAME AND ADDRESS PRINTED ON 1000 LEAFLETS AS THIS EXAMPLE ★ FREE!!!**

INTERNATIONAL CHEMICAL COMPANY, LIMITED.  
"Picture Office" (Dept. X.Y. 1) Braydon Road, London, N.16.

already sent to us for 1,000 of these leaflets printed with their name and address free of charge.

## HAVE YOU HAD YOUR 1,000 LEAFLETS YET?

If not . . . delay no longer but send to-night for full particulars of how you can participate in the enormously successful scheme *now* operating whereby each purchaser of 2d. 'Reudel' Bath Cubes at your shop can have direct from us a beautiful half-guinea picture free.

## LORD LEIGHTON'S FAMOUS PAINTING

### "The Bath of Psyche"

printed in 11 gorgeous colours is being presented by us to every one of your customers who, having purchased twelve 2d. 'Reudel' Bath Cubes, just sends us the leaflet from inside each Cube carton.

**SEND NOW FOR THE**

# FULL-COLOUR WINDOW-BILL

**incorporating the actual picture**

**THIS WILL BE SENT YOU BY RETURN!**

**Gigantic Press Advertising Campaign Supports  
this wonderful Sales increasing scheme.**

International Chemical Company Ltd., Braydon Road, London, N.16.

# NEWS! NEWS! NEW NEW PROFITS

Packed in 2d. packets, and in 1/- boxes containing seven 2d. Shampoos.

1/- BOX contains 7 SHAMPOOS

BOB MARTIN'S SHAMPOO FOR PRESERVING BLOOM

ABUNDANT SEARCHING LATHER IS ANTISEPTIC

for Chemists from this  
**NEW LINE** which means a  
**NEW CLEANLINESS** for dogs

Dogs are cleaner now than they have ever been before, because they are being washed more frequently. And the reason for this is that the new BOB MARTIN "BLOOM" SHAMPOO has replaced ordinary dog soaps in hundreds of thousands of British Homes.

The principal constituent of this new Soapless Shampoo is *Sodium Dodecyl Sulphonate*, which is slightly acid in re-action and instead of leaving a dog dull and rusty-looking it gives it a fine lustrous finish.

For the first time, the dog owners in your neighbourhood can keep

their dogs *really clean* with a regular weekly wash.

For you, this means new profits. The sale of BOB MARTIN'S SHAMPOO for preserving "Bloom" is still growing and will continue to grow at its present rate for many months. Seize the opportunity to secure the new and regular *profits*, to be made by displaying a hanging card in your window or near your counter.

Helpful advice and prompt service are offered by the Display Dept., Bob Martin Ltd., Southport.

FOREIGN BUYERS  
PLEASE  
NOTE!

The Bob Martin preparations sold in Great Britain are packed for the home market only, and the packets do not comply with Customs Regulations for foreign countries. Please address any enquiries regarding export to Bob Martin (Export) Ltd., Southport, England.



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THE KIND OF  
**D & P**

SERVICE IT LIKES

Use



and to increase your  
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*Cream* **Rayon**

surface . . . the 'de luxe' paper for  
**BETTER PRINTS AT BETTER PRICES**

*Made in England by*  
**ILFORD LIMITED - ILFORD - LONDON**

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Blue Gillettes are being backed by a press advertising campaign which extends throughout the country and will continue unabated until November. Everywhere the public are being reminded to ask for Blue Gillettes. Take full advantage of this opportunity by arranging window and counter displays, and see that your stocks are adequate.

## HERE ARE THE ADS!



## HERE ARE THE PAPERS!

JOHN O' LONDON'S WEEKLY  
WIDE WORLD MAGAZINE  
STRAND MAGAZINE  
DAILY EXPRESS  
DAILY HERALD  
DAILY MAIL  
NEWS CHRONICLE  
BRADFORD TEL. & ARGUS  
BIRMINGHAM EV. DISPATCH  
EASTERN DAILY PRESS  
HULL DAILY MAIL

LEICESTER MERCURY  
LIVERPOOL ECHO  
MANCHESTER EVENING  
CHRONICLE  
NEWCASTLE EV. CHRONICLE  
NOTTINGHAM EV. POST  
STAFFS EV. SENTINEL  
WESTERN EV. HERALD  
YORKSHIRE EV. POST  
YORKSHIRE TEL. & STAR  
BRISTOL EV. WORLD

SOUTH WALES ECHO  
SOUTH WALES EV. POST  
EDINBURGH EV. NEWS  
ABERDEEN EV. EXPRESS  
DUNDEE EV. TELEGRAPH  
GLASGOW DAILY RECORD  
GLASGOW EVENING TIMES  
BELFAST EVENING TELEGRAPH  
CORK EXAMINER  
IRISH INDEPENDENT  
IRISH PRESS

## SEE THAT YOU GET YOUR SHARE!



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Powdered  
**TRAGACANTH**

Three principal qualities are prepared; "Elect" the finest procurable, No. 1 a fine powder for general use, and No. 2 a lower-priced product for use where a slight greyness of colour is not objectionable.

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Manufacturing Chemists

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Established  
1833

**LONDON, E.C.2**



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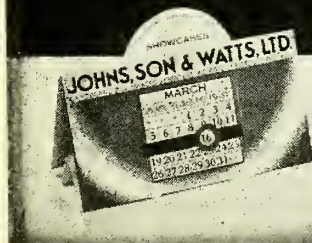
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Telegrams: Johns, Phone, London.



9/-100 **Wanie** 8/-GROSS  
**Wanie** AUTO TYPE **Wanie** Registered  
 9/-100

**WANIE**  
*The Blade for Every Razor!*  
 Send for Samples to Dept. C.D.  
**LONDON & PROVINCIAL FACTORS, LTD.**  
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**Coats and Overalls**

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 ILLUSTRATIONS OF  
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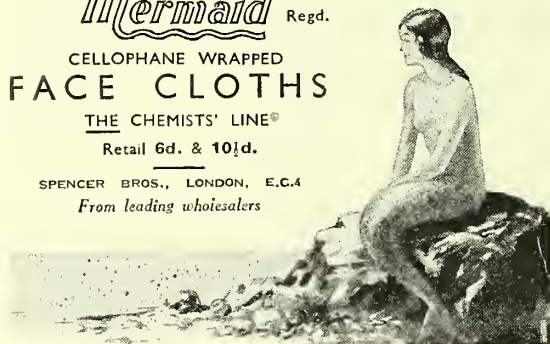
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THE CHEMISTS' LINE®

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From leading wholesalers



This is the latest type of  
**Invisible Window Display Stand**  
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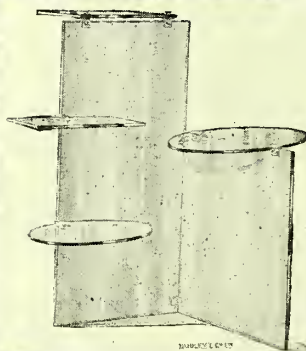
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1	36×12 glass oblong
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1	12×9 oval " "
1	11×5 " "
2	10×4 " "

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*Sell it with Velouty!*

Send for a supply of Iradium and Velouty show material and leaflets.

P.A.T.A. Prices:

Retail 2/6 & 5/6 a bottle. Wholesale 18/- & 39/- a doz.



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*The only Gold Medal Hair Cream*

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### MASTERS THE HAIR

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8/- doz. Retail at 12/-  
12/- “ “ “ 18/-  
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Retail at 12/-

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**FAST EDGE  
KNITTED FACE CLOTHS  
AT REDUCED PRICES**

WHITE	SINGLE SIDED	DOUBLE SIDED
G 220	3/-	G 230 4/- doz.
G 221	3/6	G 231 4/6 "
G 222	4/-	G 232 5/3 "
G 223	4/6	G 233 5/6 "

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Each Cellophane wrapped 6d. doz. extra

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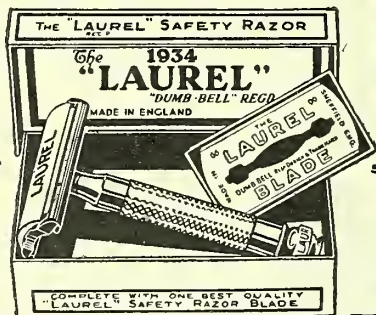
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Specially prepared for DRY SCALPS.  
1/6 size 10/- doz. 2 6 size 15/- per doz.

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for Health and Beauty  
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in the  
popularity race**

Among all the many different makes of face powder, Snowfire always holds a leading place in popular favour. This, of course, is because its quality is so very good and its value so exceptional. Women everywhere like its extra fineness and its delicate perfume . . . use it regularly and recommend it to their friends. You will find it one of the most profitable lines you ever handled. Display it on your counter and in your window, and see how brisk a demand it receives.

# Snowfire FACE POWDER

Loose in attractive boxes, 2d., 3d. and 6d.  
Flat compacts, 6d. Retail.

F. W. HAMPSHIRE & CO. LTD., DERBY

## ANTISEPTIC CREAM FOR THE SKIN AND COMPLEXION

Invaluable during the Summer months for Soothing and Protecting the Skin, rendering it soft and supple. Useful either as a Day or Night Cream.

In white pots, with aluminium or bakelite caps, black and red labels.

1-oz. 8/6 per doz. pots. 2-oz. 15/- per doz. pots. 4-oz. 25/- per doz. pots.

New and Attractive Show Card FREE.

CHEMIST'S OWN NAME AND ADDRESS PRINTED FREE ON 3 DOZEN.

MANUFACTURED BY

C. J. HEWLETT & SON, LTD., 35/42 Charlotte St., London, E.C.2

## SUN TAN OIL

A specially selected vegetable oil of exceptional quality.

Supplied in 2 gallon Cans or 5 gallon Drums.

Sample & Quotation on application to:

G. E. THURLEY & SON  
UNITY WORKS  
Latimer Road  
LONDON, E.7

## Louis de Luxe Products

ALL TOILET PREPARATIONS

PROPRIETORS:

Low, Son & Haydon, Limited

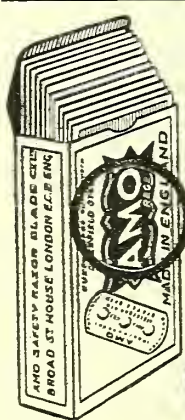
5 GT. QUEEN ST., LONDON, W.C.2 COURT  
TELEPHONE: HOLBORN 6410 EST. 1790 PERFUMERS

## C. & D. Stock-Taking Sheets

Halve the Labour of Taking Stock.

Price of Complete Pad, 2/6 post free.

The Chemist & Druggist, Publications Dept.,  
28 Essex St., London, W.C.2



THIS IS THE  
NAME THE  
PUBLIC KNOWS

SEE THAT IT'S  
ON YOUR  
STOCK LIST

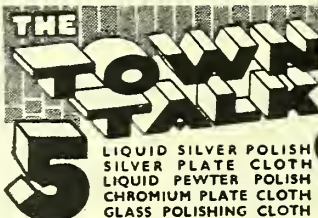


## RAZOR BLADES ARE NATIONALLY ADVERTISED

Write for details to:

AMO Safety Razor Blade Co., Ltd. Broad St. House, London, E.C.2

Telephone: Londonwall 1480



Five lines that the housewife regularly buys because of their unequalled excellence

Ten million people every month buy the newspapers and women's journals containing "Town Talk" Advertisements which tell readers the superlative qualities of "Town Talk," also that it is sold by Chemists.

That is why stockists do not have to sell "Town Talk"—they are asked for it. Order the "Town Talk" 5 quick-selling repeat-order lines. They give a generous profit.

Additional "TOWN TALK" Sales Helps supplied free on request. Showcards, Window Displays, Samples, Leaflets, Cinema Slides, Blocks for own advertising.

TOWN TALK POLISH CO.,  
MANCHESTER

You do not  
have to sell  
'TOWN TALK.'  
Women BUY  
it.

ORDER DIRECT  
OR FROM:

James Woolley Sons &  
Co., Ltd., Manchester  
Ayrton, Saunders & Co.,  
Ltd., Liverpool  
Brooks & Warburton,  
Ltd.  
Goodall, Backhouse & Co.,  
Leeds  
May, Roberts & Co.,  
Ltd., London



# NEW ADVERTISING

## BRINGING INCREASED SALES

With the introduction of this new type of advertising, the sales of Dr. Scholl's Zino Pads have steadily increased.

The human story that is portrayed in the advertisements has found quick response. Thousands of sufferers from corns, callouses and bunions, must have at some time, thought and said words similar to those in the advertisement. They know exactly how miserable one can be from these foot troubles.

And this advertising is appearing in papers covering the country—papers and periodicals whose combined circulations amount to tens of millions. Many times a week they appear. The public never forget Dr. Scholl's Zino Pads. We will not let them.

ORDER FROM YOUR WHOLESALER

**The SCHOLL Mfg. Co. Ltd.**  
182/194 St. John Street, London, E.C.1

I'M MADE MISERABLE  
BY MY CORNS!

DR. SCHOLL'S  
ZINO-PADS  
WILL GIVE YOU  
INSTANT RELIEF

### CORNS

The safe, quick way to end pain is to use Dr. Scholl's Zino-pads. Apply one on tender spots, corns, callouses, or where the shoe rubs or pinches, and you'll have immediate relief! Used with the separate *Medicated Disks*, included at no extra cost, hard, old corns and callouses are speedily loosened and removed. Dr. Scholl's Zino-pads stop the cause—shoe friction and pressure.

#### Sizes for Corns, Callouses and Bunions

Dr. Scholl's Zino-pads are made in special sizes and shapes for Corns, Callouses, Bunions and Soft Corns. From Shoe Shops, Chemists and Dr. Scholl's Depots, 1/3d a packet.

**For FREE SAMPLE**  
and valuable book on Foot Care by Dr. Wm. M. Scholl, write to Dr. Scholl's Foot Comfort Service, 93 Regent St., London, W. 1.

**Dr. Scholl's  
Zino-pads**

Put one on—the pain is gone! Z. 01





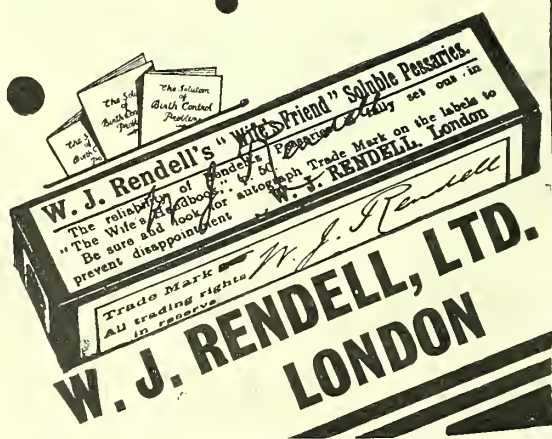
# Expert Supervision

The ever-increasing demand for Rendell's Pessaries is due to the care and attention which is fully maintained through every stage of the manufacture.

The Chemist can be satisfied that he is offering the one contraceptive which sets the standard for purity and efficacy.

● The use of our latest showcards and booklets in conjunction with the sale service now offered is the direct way of increasing sales.

The demand is there. Make sure you obtain your full share of this important business.

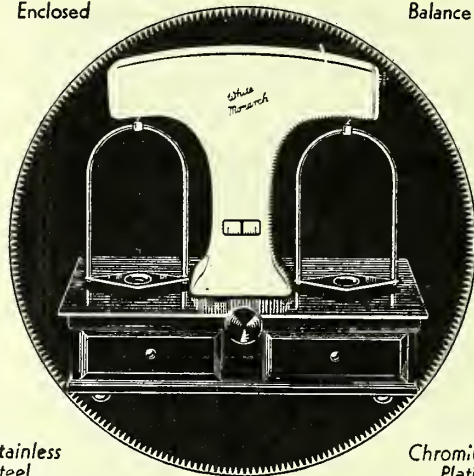


## Your Dispensary deserves

The Modern "White Monarch"

Enclosed

Balance



Stainless Steel

Chromium Plating

Entirely protected from dust and fumes by the white porcelain enamelled housing. Strongly made to withstand hard usage and yet retain its sensitivity

Ask your Sundries House to show it to you and judge for yourself

**WILLIAM A. WEBB, Ltd., 4/5 Skinner St., London, E.C.1**

## BURMEX<sup>REGD.</sup> PREVENTATIVES

### HYGIENIC—STERILIZED—INNOCUOUS

Manufactured by a special Hot Cured process which ensures that all portions have the same characteristics of strength and durability.

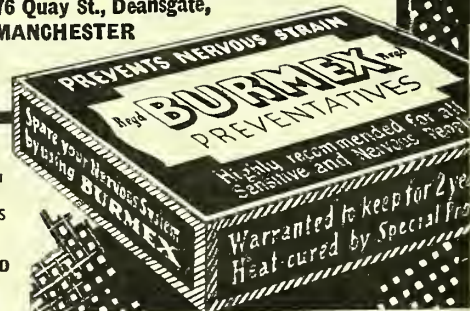
This process, together with the careful selection of the raw materials results in a thin, highly sensitive product of extreme elasticity and strength.

Free samples on application to—

**A. BERMAN & SONS, LTD.**  
76 Quay St., Deansgate,  
MANCHESTER

**24/-**  
PER GROSS

GUARANTEED  
FOR ALL  
CLIMATES





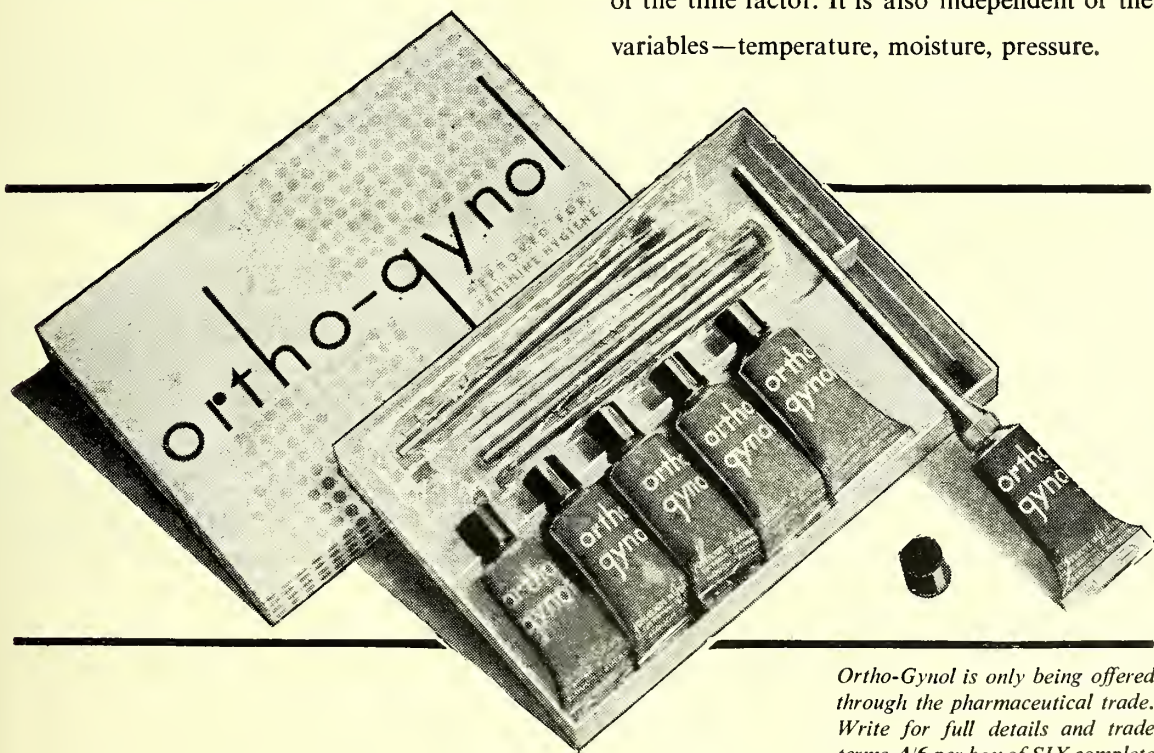
# The CONTRACEPTIVE with a professional policy

It is with a full realisation of their responsibilities and with their eyes open to the dangers of promiscuous sale that Johnson & Johnson have introduced Ortho-Gynol.

Every effort has been and will be made to limit the sale of Ortho-Gynol to professional channels. Medical practitioners can prescribe through qualified chemists. All non-professional outlets will be rigorously excluded.

Ortho-Gynol has two years of clinical experience behind it. Doctors are being invited to examine Ortho-Gynol and its claims before they pass judgment upon it. Every facility will be given.

Moreover Ortho-Gynol is undetectable in use; the most fastidious could not object to it on aesthetic grounds. It does not deteriorate even in tropical climates and it is effective immediately it has been applied and is therefore independent of the time factor. It is also independent of the variables—temperature, moisture, pressure.



*Ortho-Gynol is only being offered through the pharmaceutical trade. Write for full details and trade terms. 4/6 per box of SIX complete units.*

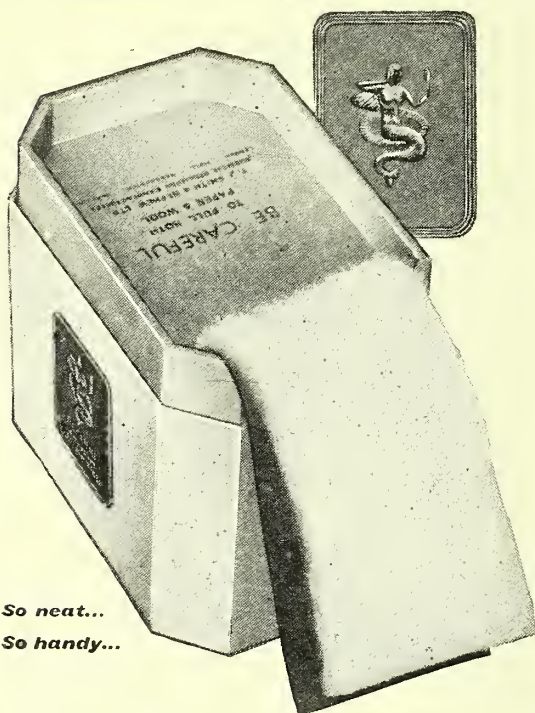
## ortho-gynol

THE DEPENDABLE CONTRACEPTIVE

*Johnson & Johnson*  
(OF BRITAIN) LIMITED

SLOUGH, BUCKS

MAKERS OF K.Y. JELLY AND  
JOHNSON'S LIGATURES AND SUTURES



So neat...  
So handy...

Order through your Wholesaler

## To meet a new demand...

A noticeable demand has recently made itself felt among women for cotton wool, used to apply and remove lotions, cleansing creams, etc. Your discriminating customers will not be satisfied with the ordinary old bulky packages. The new Neptune Complexion Cotton Wool has been specially prepared for this type of trade.

In gold and silver cartons, cellophane wrapped. To retail at 1/- each. Packed in attractive rigid boxes of three gold and three silver cartons. Trade price 8/- per dozen.

## NEPTUNE

Complexion

## COTTON WOOL

British Made by

T. J. SMITH & NEPHEW, LTD.  
LONDON HULL MANCHESTER GLASGOW  
Manufacturers of Elastoplast and Paragon Brand Surgical Requirements

## SOUTHALLS

SANITARY TOWELS

All-the-year-round publicity, appearing in virtually every newspaper and magazine read by women, ensures steady sales to the dealer who stocks Southalls products.

- "ORIGINAL," most popular.
- "CELTEX," soluble.
- "K," made entirely of absorbent cotton wool, with very soft cover.
- "COMPRESSED," for Travel.



SOUTHALL BROS. & BARCLAY LTD. BIRMINGHAM

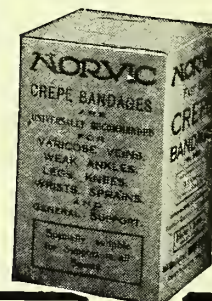
## NORVIC

### BLUE CARTON CRÊPE BANDAGES

The Blue Carton, prominently displayed in the window or on the counter, will increase your crêpe bandage sales enormously. A P.A.T.A. LINE with FULL 33% PROFIT.

From leading wholesalers.

Sole manufacturers: Grout & Co. Ltd.  
35 Wood Street, London, E.C.2.



## "STERAID" Regd. Dressings

Patent No. in Great Britain 221761/1924 and patented in all the principal foreign countries.

Patent Rotating Canister packing to retain aseptic conditions. In use, only the amount required is withdrawn and cut off. The remainder is not exposed

GAUZES.										LINTS.			
Minimum Public Prices Each				Minimum Trade Prices Per Doz.				PLAIN AND BORIC.					
6-yd.3-yd.1-yd.				6-yd.3-yd.1-yd.				Min. Public Prices Min. Trade Prices					
Sal Alembroth	2/0	1 3/4	-/9	17/10	11/2	6/4	Plain Absorbent	1/10	1/2	-/8 1/2	16/6	10/6	6/1
Sublimate							Double Cyanide	2/1	1/4	-/9 1/2	18/2	11/4	6/5
Carbolic							Iodoform 5%	2/10	1/8	-/10	25/6	15/-	7/7
Boric							Picric.						

ORDER THROUGH USUAL WHOLESALER.

**ROBERT BAILEY & SON LTD., Marriott Street Mills, STOCKPORT**  
Phone: Stockport 2794 and 4166. London Office: Sentinel House, Southampton Row, W.C.1 Wires: "Undisputed, Stockport."



# SHERLEY'S

## DOG & CAT MEDICINES

are always in popular demand. They are prepared by fully qualified Analytical and Pharmaceutical Chemists under the supervision of a veterinary expert and have reached their present big sales because of their purity, safety and efficacy.

Extensive advertising, generous trade terms, including extra discounts for £2 parcels and Window Display, make the Sherley range of Products the ideal lines for you. Keep a stock always on hand to meet the demand in your district for these quick-selling lines.

A postcard brings full details

A. F. SHERLEY & Co. Ltd., 18 Marshalsea Rd.,  
London, S.E.1



Sherley's Worm Capsules  
and Powders  
Tonic & Condition  
Powders  
Insect Powder  
Canker Lotion & Powder  
Skincure  
Cough Tablets  
Fit Tablets  
Lintox for Distemper  
Distempereure  
Wound Lotion  
Eye Lotion  
Formalin Soap  
Shampoo Dry Shampoo  
Dry Cleaning Powder  
Dry Cleaner  
Lactol & Lactol Biscuits

TAPERED, PYRAMID, DOMED AND  
FLANGE **CORKS**

COMPOSITION AND BAKELITE  
**STOPPERS**

THE MOST COMPETITIVE MANUFACTURERS IN  
THIS COUNTRY

**MUNDET CORK PRODUCTS, LTD.**  
12/18 ABBEY ST., TOWER BRIDGE ROAD, S.E.1

Telegrams :  
MUNDETCOMP, BERM, LONDON

Telephone :  
HOF 2043-4-5

**DON'T REFUSE GOOD BUSINESS!**

Send those **Paper Spools** to the  
RECOGNISED SPECIALISTS

*Bathes Ltd*

24 FLEET STREET - - - TORQUAY

First Class Quality

Full Discounts

Guaranteed Service

## THE CHEMIST'S COMPACT LIBRARY

Money-Making and  
Money-Saving Books

**EVERY BOOK by an EXPERT**

May be obtained at the published prices from any  
Wholesale Drug or Sundries House, or from

"THE CHEMIST AND DRUGGIST,"  
28 Essex Street :: London, W.C.2

BRANCH OFFICES :

Manchester and Sheffield, England ; Glasgow, Scotland ;  
Melbourne and Sydney, Australia ;  
Auckland, New Zealand.

## KING'S FOR SHOPFITTINGS



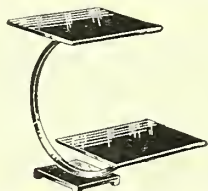
Ref. No. H 3249 Round Section Metal Display Pedestals, fitted with Rubber Studs at Top and Bottom. Stocked in the following sizes:—

Height	Brown Bronze Finish	Chromium Plate Finish
9-in.	1/3 each	2/6 each
12-in.	1/6 "	3/- "
15-in.	1/9 "	3/9 "
18-in.	2/3 "	4/6 "
21-in.	2/9 "	5/3 "
24-in.	3/3 "	6/- "
30-in.	3/9 "	7/6 "

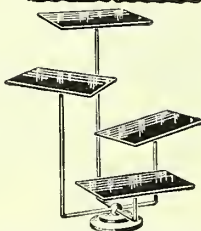
Ref. No. OK 256 First Quality Clear Glass and Black Opal Glass, Display Ovals, 3" thick, polished edges. Stocked in the following sizes:—

Size	Clear Glass	Black Opal Glass
9" x 5"	1/4 each	1/5 each
10" x 7"	1/5 "	1/6 "
12" x 9"	1/6 "	1/9 "
14" x 10"	2/2 "	2/8 "
16" x 9"	2/6 "	3/- "
18" x 12"	3/6 "	4/3 "
20" x 15"	4/- "	5/3 "
24" x 18"	5/9 "	7/3 "

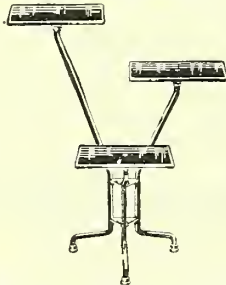
We will be pleased to forward our complete catalogue of Pharmacy Fittings No. 1013. Post Free on Application.



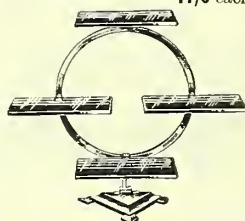
No. H 3278. Square Section Metal Display Stand, fitted with two Black Opal Glass Shelves, 10" x 6". Mounted on a square base. Height overall, 12". Brown Bronze Finish 11/3 each Chromium Plate Finish 13/6 "



No. H 3277. Round Section Metal Display Stand, fitted with four Black Opal Glass Shelves, 10" x 6". Mounted on a Double Circle Base. Height overall, 21". Brown Bronze Finish, 14/3 each Chromium Plate Finish, 17/3 each



Ref. No. H 3275. Square Section Metal Display Stand, fitted with three Black Opal Glass Shelves, 7" x 5". Height overall, 19". Brown Bronze Finish 11/3 each Chromium Plate Finish 13/6 "



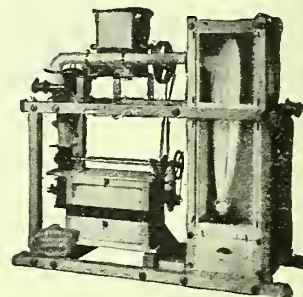
No. H 3472. Square Section Metal Display Stand, fitted with four Black Opal Glass Shelves, 9" x 5". Height overall, 24". Chromium Plate Finish, 30/- each

**J. C. KING LTD.**  
42-60 GOSWELL ROAD,  
LONDON, E.C.1

PHONES: CLERKENWELL 2316 (Private Branch Exchange)

## COMPACT & COMPLETE

*for the rapid  
and economical  
production of  
superfine powders*



Combined Feeding, Grinding, Sifting and Dust collecting plant made by

## GARDNER'S

This compact Gardner plant enables the Chemist and Druggist to produce his own toilet powders etc., of the very highest quality.

The grinding unit produces an almost impalpable powder; the sifter and dust collector effectively eliminate all but the finest, smooth, free running particles. The powders so economically produced by this machine will provide many new and profitable lines.

**WM. GARDNER & SONS (GLOUCESTER) LIMITED**

Telephone: BRISTOL RD., GLOUCESTER. Telegrams: 2288 (2 lines). "Gardner, Gloucester,"  
London Office: 19 Gray's Inn Chambers, 20 High Holborn, W.C.1.  
Telephone: Chancery 7347.

## Small TABLET MACHINE

*Capacity 60 to 80  
Tablets per minute*

Working on "rack and pinion" principle.

Absolute simplicity and smooth working.

Adjustable screw for pressure.

Any size or weight of Tablet up to 1/2 in. diameter.

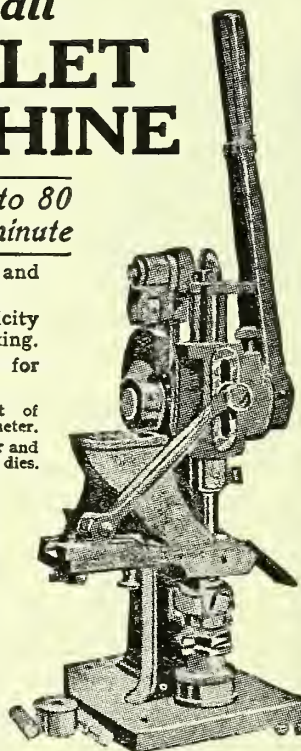
Complete with spanner and one set of punches and dies.

**£7 : 15 : 0**

**J. W. PINDAR  
& CO.**

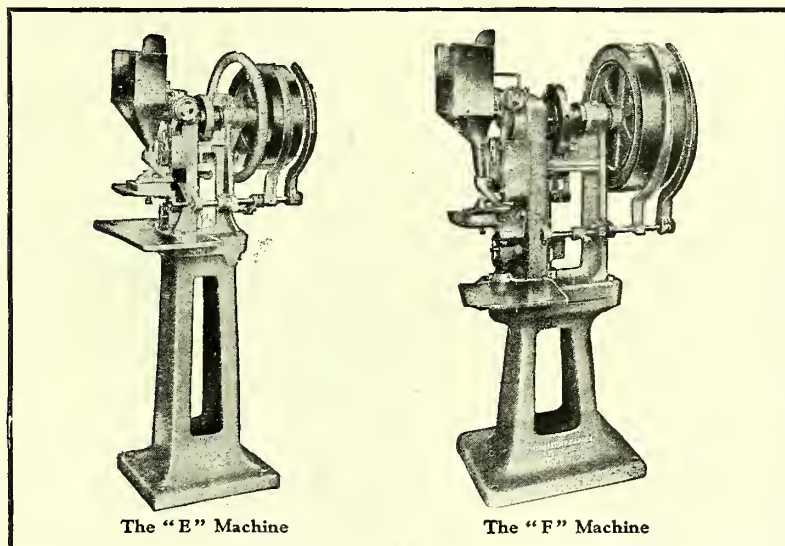
*Druggist's Engineers,  
Pill Machine  
Manufacturers,*

Endwell Road,  
Brockley,  
London, S.E.4.





# TWO SINGLE-PUNCH TABLET MACHINES



The "E" Machine

The "F" Machine

## Essential in every tablet-making department

### "E"

#### Machine

##### SPECIFICATION

Height, 4' 5"  
Pulleys, 13½" × 2"  
Power required, 1 H.P.  
Maximum Tablet, ½" dia.  
" Depth of Fill, ⅝"  
Floor Space, 16" × 16"  
Output 100 per minute.  
Lubrication, Grease gun.  
Net weight, 324 lbs.

Price £45-0-0

### "F"

#### Machine

##### SPECIFICATION

Height, 4' 10½"  
Pulleys, 1' 8" × 2½"  
Power required, 2 H.P.  
Maximum Tablet, ¾" dia.  
" Depth of Fill, 1½"  
Floor Space, 24" × 36"  
Output 90 per minute  
Lubrication, Grease gun.  
Net weight, 676 lbs.

Price £75-0-0

Every tablet-making department requires one or other of these single-punch machines for small batches of tablets.

We will be glad to advise you which machine would best suit your purpose and will at any time test your own material on our machines free of cost.

The "E" Machine is the smallest single punch power tablet machine that we make. It will produce tablets of any reasonable shape up to ½ inch in diameter. It is extremely accurate and will produce at the rate of 90 to 100 per minute according to the material used. Adjustments are simple and can be effected whilst the machine is running. It is solidly built and perfect for the production of the smaller range of tablets.

The "F" Machine is a powerful single-punch power driven machine capable of making any reasonably shaped tablets up to ¾ inch diameter. It has a larger range than the "E" machine in that it is useful for lozenges and also for pre-forming Bakelite and other moulding powders. Adjustments are simple and can be made whilst running. Owing to its size and strength, this machine will be found extremely useful in every tablet-making department.

## STOKES MANESTY TABLET MACHINES

MADE BY

**THOMPSON & CAPPER WHOLESALE LTD.**

MANUFACTURERS OF CHEMICAL AND PHARMACEUTICAL MACHINERY

**MANESTY BUILDINGS, 5 COLLEGE LANE, LIVERPOOL, 1**



Awarded Certificate by  
The Institute of Hygiene  
for Purity—Quality—Merit

# LOCARNO

## MEDICATED TOILET ROLL

Costs 3<sup>d</sup>



BRITISH  
MADE

Sells 6<sup>d</sup>

Sales  
restricted  
to Chemists

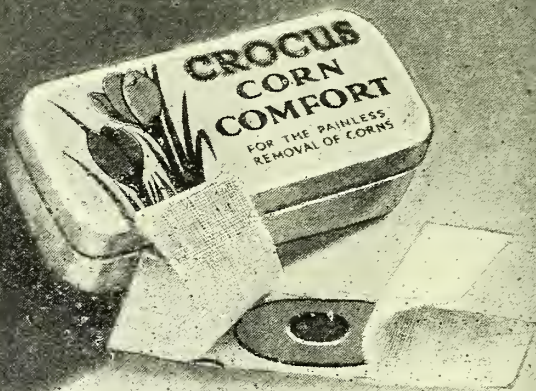
You are sure of  
repeat orders  
by selling the  
"LOCARNO"

Contains 650 sheets of pure  
white Sulphite Paper.  
Free delivery. Packed in cartons  
Free Sample Roll on application  
Each Roll 12 oz.

Sole Manufacturers:  
**J. RUTHERFORD & Co. L<sup>d</sup>**  
VICTORIA PAPER MILLS  
VICTORIA RD. HOLLOWAY, LONDON, N.7

CONTRACTORS TO H.M. GOVERNMENT

## A New Line in Corn Plasters 'CROCUS' CORN COMFORT



Write for  
particulars of  
special offer  
during this  
month

ATTRACTIVELY PACKED  
IN DECORATED TIN BOXES  
CONTAINING 6 PLASTERS  
OBTAINABLE FROM YOUR  
USUAL WHOLESALER

LIBERAL TERMS

**W. MATHER LTD.**  
MANCHESTER

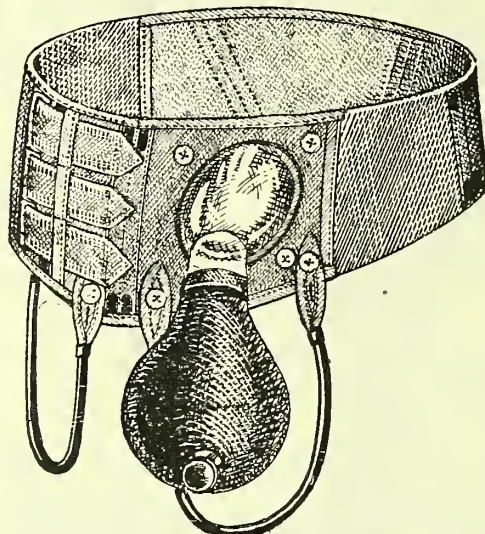
## THE R. H. HEWARD CO.

CROWN ROAD WORKS, TWICKENHAM

Phone:  
Popesgrove 2094

Telegrams:  
Beltruss, Twickenham

WE SPECIALISE IN  
**COLOTOMY APPLIANCES**  
MADE AND DISPATCHED SAME DAY





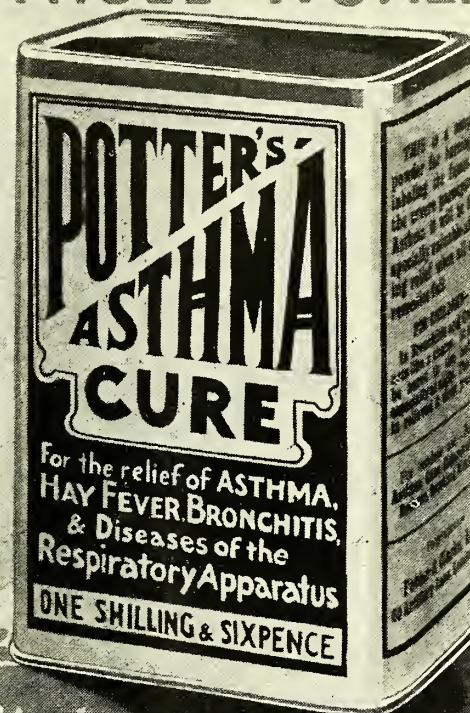
# KNOWN THE WHOLE WORLD OVER

consistently advertised  
in all the great  
national newspapers  
thus ensuring a  
big demand

RETAIL 1/6 P.A.T.A.

WHOLESALE 14/- PER DOZ.

*Packed in half-dozens*



## POTTER'S

# Asthma Cure

## POTTER & CLARKE LIMITED

60-64 ARTILLERY LANE, LONDON, E.1

Telephone: Bishopsgate 4761 (5 lines)

AND AT 77 DANTZIC STREET, MANCHESTER, 4

Telephone: Blackfriars 8734

*Drug Merchants, Manufacturing Chemists*

Telegrams: "Horehound, Phone, London"

Telegrams: "Horehound, Manchester"



# HALMACON

BRAND      World-wide Registered Trade Mark      TABLETS

**BIG PROFITS and CONTINUAL SALES!** Chemists are continually being asked for "Something to kill Wood Worm." There is only one commodity that is really effective.

**"KILPEST"** VAPOURISES IMMEDIATELY IT IS APPLIED AND THE VAPOUR PERMEATES RIGHT INTO THE TIMBER, DESTROYING BEETLES AND LARVÆ WITHOUT DAMAGING WOOD OR POLISH

*Retail 1s. 6d. Special Trial Offer. 1 dozen with Showcard and Advertising Literature 12s. 6d. carr. paid.*

Put "KILPEST" on show. It sells itself. **G. KILPERT & CO., The Laboratories, Market Sq., WELLINGBOROUGH**

## URICURE TABLETS

*Greatest of all Rheumatic Remedies*

**1/3 SIZE, 7/- DOZ., 3/4 SIZE 17/6, 5/16 SIZE, 25/-**

THE ACTON PILL & TABLET CO LTD    ASH VALE, SURREY

Conforms to B.P. 1932 requirements.    Exceptionally Palatable.

## 'DOMCO' (Regd.)

### MALT & COD LIVER OIL

FINEST QUALITY INGREDIENTS. PRICES which SHOW you a GOOD PROFIT 1, 2, 4 & 7 lb. Jars separately wrapped, & in 1 lb. containers for N.H.I. purposes.

**D. MAWDSLEY & CO., MANCHESTER**    4 & 6 Riga St., Shudehill,

## WE CAN HELP YOU

in furnishing you with Surgical and other sundries to give a high average profit!

*Enquiries will receive our prompt expert attention*

**REYNOLDS & BRANSON Ltd., 13 Briggate, LEEDS 1**

Telegrams: REYNOLDS Leeds    Telephone: Leeds 20046

## TENZ

### SELL AT SIGHT

A quick selling sideline is always worth while. Here is a profitable one for you. Tenz Tablets speedily remove breath odours in a pleasant fashion and there is a remarkable demand for them. Neatly packed in dainty outers, they take up very little counter space—but they do sell. Order direct from your usual wholesaler.

**TENZ LIMITED,**  
MANCHESTER 8, and London

## ENGLISH OIL OF CAMOMILE

(ANTHEMIS NOBILIS)

From Plants Grown on My Own Farm

**R. W. B. STARKE**  
The CHESTNUTS FARM, EYE, SUFFOLK

Also ENGLISH CAMOMILE FLOWERS

## DRY BATTERIES

### SELL ALL THE YEAR ROUND

PIFCO carry a twelve months' storage guarantee and only cost 4½d. subject.

*Illustrated Catalogue free.*

**85 PIFCO HOUSE - MANCHESTER**



## SHADEINE

### FOR TINTING GREY HAIR

This popular article is largely advertised and stocked by all Wholesale Houses.

Trial size 8d. per doz.	0/-
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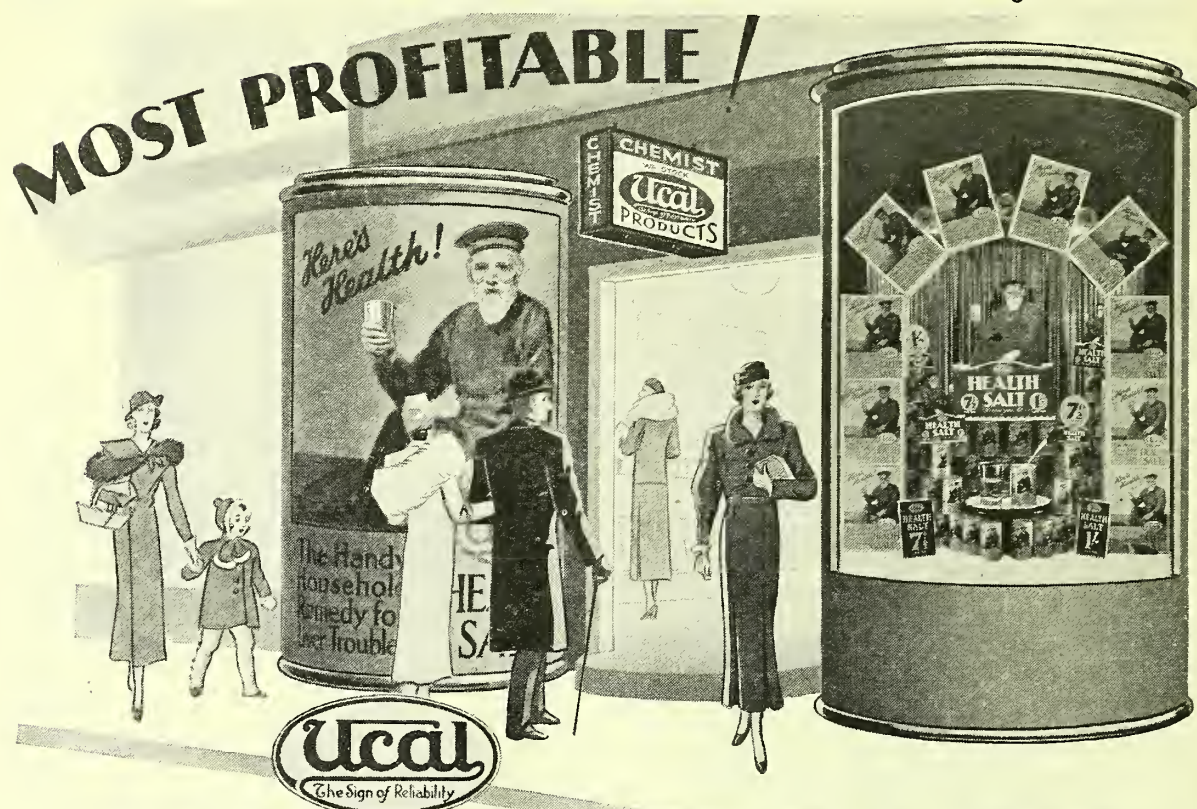
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# THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

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## News of the Week

### Frederick Fletcher Playing Fields Opened

There were opened, on July 25, playing fields presented by the late Mr. F. W. Fletcher, Ph.C., F.C.S. (Fletcher, Fletcher & Co., Ltd., Holloway, London, N.7), to the Hertfordshire village of Little Wymondley on the occasion of the silver wedding of Major T. Clemens Usher, J.P. (his son-in-law), and Mrs. Usher, who gave the six acres of land required for the purpose. The scheme has now been completed as a local memorial to Mr. Fletcher by them and Mrs. Arnold Fairbairns, his elder daughter. A distinguished company was present at the opening ceremony, including Lord Hampden and Sir Edgar Waterlow, Bt., the former of whom, in naming the site the "Frederick Fletcher Playing Fields," said that the village was extremely fortunate to have the Fletcher and Usher families associated with it.

### British Medical Association

The hundred and second annual meeting of the British Medical Association was held at Bournemouth during the last week of July. The president (Dr. S. Watson Smith) took as the subject of his address "Climate and Health," a subject, he remarked, "as old as the art of medicine itself." The sectional opening addresses were not, as a rule, of outstanding interest, though the lay Press contrived to evolve a few startling headlines from passages in them or in the ensuing discussions. Lord Horder, in speaking on the use of narcotics for nervous and mental patients, distinguished between pain killers and sleep producers, although, he said, the two groups overlapped. The key to the successful treatment of insomnia was to find the cause or causes. As to remedies, all possible general measures should be considered first. The next approach was by way of drugs; alcohol and its risks as

a hypnotic must be considered. Opium and its derivatives were indicated only where sleeplessness was due to severe pain. Hyoscine and the older hypnotics had long been used. The newer group—the barbiturates—marked a great advance because of exactness of dosage and constancy of effect. The ideal hypnotic, unfortunately, did not exist. It was not the drug, however, but the development of a drug habit that called for condemnation. Sedative drugs formed a means of escape from life and its troubles. Sleep itself was a form of escape from life. A definite scheme should be adopted for each patient. He was convinced that the ill-effects attributed to hypnotics were considerably exaggerated. Dr. Arthur F. Hurst opened a useful discussion on the clinical importance of achlorhydria. Headaches were discussed mainly from an optical standpoint. At one of the business meetings a recommendation to the Council to consider whether an effort should be made to publish an up-to-date edition of "Secret Remedies" was carried. The motion, in its original form, asked that the book be republished every four or five years. Sir Robert Bolam said that in this form the resolution was not entirely acceptable, but the Journal Committee of the Association had several times gone very carefully into the question of republication of "Secret Remedies" and "More Secret Remedies."

### Inquests

At a recent inquest at Rochdale concerning the death of a woman who died from "mercurial poisoning, acute nephritis and toxæmia from using tablets (mercuric potassium iodide) contrary to directions for use," Mr. Ernest Bamford, chemist's assistant, 242 Yorkshire Street, said he supplied 50 mercuric potassium iodide tablets intact as they were supplied by the makers. He told the deceased how to use them.

At an inquest at Liverpool, on July 30, on the body of John H. Russell, artist, who was found dead at home, a verdict of "Suicide, with no evidence to show the state of his mind" was returned. It was stated that the police found underneath his bed a glass containing drops of a colourless liquid, and crystals of potassium cyanide were found in his clothes. The manager of the lithographic department of a works said Russell was his assistant and would have access to the potassium cyanide used in their department. Professor J. E. W. McFall said the quantity of cyanide taken was sufficient to cause immediate death.

### Liverpool

Mr. H. Davis, until recently pharmacist at H.M. Prison, Liverpool, has been presented with a hall clock in oak on behalf of the staff of the prison. Mr. Davis, who has been stationed there for some years, has resigned from the service.

Health problems arising out of the provision of new housing estates in the Liverpool district have encouraged the Larkhill and North-East Liverpool Tenants' Association to launch a scheme whereby members may insure their wives and children against sickness and obtain medical treatment and medicine for a small quarterly or other payment. The provision of dispensaries on the estates for dealing with "minor injuries and ailments" is also suggested.

### Miscellaneous

**POISON-LICENCE APPLICATION.**—East Surrey Co-operative Farmers, Ltd., Redhill, have applied to Reigate Town Council for a licence to sell agricultural and horticultural poisons.

**WINDOW SMASH.**—A window at the pharmacy of Mr. L. N. Corden, chemist and druggist, Pulborough, Sussex, was smashed on August 5 when the riders of a tandem bicycle lost control of their machine.

**COLOUR STANDARDS.**—The completion of the British Colour Council Dictionary of Colour Standards (in two volumes) is announced, and it is stated that its designations have been adopted by the British Standards Institution.

**WEAK VINEGAR.**—At Old Street Police Court, London, on August 1, G. A. Dyer, Teale Street, Shoreditch, was fined 5s., with 10s. costs, for having sold vinegar deficient in acetic acid to the extent of 52 per cent. It was stated that the sample was purchased in the street.

**"ART IN INDUSTRY" EXHIBITION.**—The promotion of a British Art in Industry Exhibition, to be held at Burlington House, London, W.1, in January-March 1935, is announced. The executive committee is selected from members of the Royal Academy and members of the Royal Society of Arts.

**DANGEROUS DRUGS ACTS.**—At Bow Street Police Court, London, recently, Mabel Wooldridge, widow of a chemist, and Lawrence Bromwick, financial agent, of Little Newport Street, W.C.2, were each sentenced to three months' imprisonment in the second division for being in unauthorised possession of 4 oz. of morphine.

### Scottish Notes

#### Brevities

Commenting on the deletions from the Register of Chemists and Druggists, a correspondent writes: "I have recently had brought to my notice the case of three Scottish chemists who have forsaken pharmacy—one for the stationery and fancy goods trade, a second has taken to farming in Canada, while the third (a lady) has married a farmer in Argyllshire."

At Cupar Sheriff Court, recently, a man was sentenced for fraud in connection with the sale of a tooth-paste. His method was to promise a monetary reward of £5 to £10 on condition that the purchaser should hand him £2 10s. or £5, for which he would receive a supply of tooth-paste for distribution among friends. The sheriff expressed surprise at the credulity of householders and said that they were asking to be defrauded.

### Irish Notes

#### Irish Hospital Pharmacy

Among Irish hospitals one of the best equipped from the pharmaceutical point of view is St. Vincent's Hospital, Stephen's Green, Dublin. The pharmacy here is one of the most modern and up-to-date, a model of what a hospital pharmacy should be. In the centre is a fine dispensing counter, with adequate ranges of shelving to carry stock mixtures, while around the walls are ranged the fixtures which hold the large stock of drugs and medicines always available for the hospital's use. The pharmacy dispenses not only for the general Hospital with its 176 beds, but also for the Hospital's magnificent out-patient department. Here, morning after morning, the waiting room is packed with Dublin's poor awaiting treatment from one or other of the specialist sections making up the department. In addition to the O.P.D. (as it is called in hospital parlance) and the Hospital proper, the pharmacy also looks after the supplies for the operating theatres, the x-ray and other similar departments, and the medicinal requirements of the staffs. From 10 a.m. to long after noon Dr. Shiel (the pharmacologist) and his assistant, Miss P. O'Keefe,



IN THE PHARMACY OF ST. VINCENT'S HOSPITAL, DUBLIN.  
DR. JOHN SHIEL AND HIS ASSISTANT (MISS P. O'KEEFE).

are kept busy dealing with scripts. No less than 51,000 articles were dispensed during the year ended March 31, 1933. This number does not include dispensing done for the Hospital's staffs, or medicinal and drug supplies to departments. Dr. John Shiel has probably a unique record as a pharmacist. He qualified as a licentiate of the Pharmaceutical Society of Ireland in October 1919, when he tied for first place with another candidate. Then he took up the study of medicine and qualified as a licentiate of the Royal College of Physicians and Surgeons in 1924, with first places in clinical medicine, physiology, materia medica, therapeutics, toxicology and biology, and first place and prizes for anatomy and surgery. Dr. Shiel afterwards became a student of law at Trinity College and King's Inn, and was called to the Bar in 1932 with distinctions in constitutional, Feudal, English and criminal law. Last July he secured the higher degree in gynæcology, obstetrics and pediatrics. In 1933 he did post-graduate work in Germany in cardiology and balneology. In addition to his work as pharmacologist at St. Vincent's Dr. Shiel is Lecturer in Materia Medica at the Technical Institute, Dublin. He is the author of a series of historical essays, the publication "Science Notes for Nurses," and many reviews of medical publications in the "Irish Medical Journal of Science." Dr. Shiel is a peace commissioner of the Irish Free State.

#### Brevities

Mr. D. J. Reddy, L.P.S.I., has opened a pharmacy in Mobhi Road, Glasnevin, Dublin.

The headquarters of the Pharmaceutical Society of Ireland at 67 Lower Mount Street, Dublin, are closed for the month of August for holidays. No meeting of the Council will be held this month.



# Imperial and Foreign News

**BOMBAY DUTY ON MEDICINAL GOODS.**—The Chemists' and Druggists' Association of Bombay made representations to the Government of Bombay, some time ago, for reduction of excise duty on medicinal preparations containing spirit of Indian manufacture, with a view to stimulating Indian industries. For a long time past, spirituous products of Bengal competed seriously with those of Bombay in the Bombay market, as the excise duty in Bengal was only Rs. 5 while that in Bombay stood at Rs. 10. The Government of Bombay have responded to the demand of the trade and reduced the excise duty to Rs. 5 per proof gallon of spirit on medicinal preparations and to Rs. 17-8 per proof gallon of spirit on toilet preparations containing spirit of Indian manufacture, which are manufactured in bond. As regards the duty on imports into the Presidency of Bombay, the duty will be levied at the same rate as that in other parts of British India or Indian States on similar preparations. This is evidently intended to be a reciprocal duty between local manufacturers and those of other parts of India.

**ITALIAN PRICE REDUCTIONS.**—The following is a translation of a ministerial decree published in the official

gazette of the Kingdom of Italy on June 5, 1934:—(1) Medicinal specialities, organotherapeutic and biological products, soluble and organic ferments and all similar products, including serums, vaccines, viruses and toxins, the arsenobenzols simple and compound, their derivatives and similar products must be sold to the public at a price not exceeding that which is printed on the label at the date of publication of this decree, reduced by 5 per cent.; (2) the reduction of the 5 per cent. indicated in the preceding article will be effected by the following inscription—clear and legible—being attached to the outer wrappers of the specialities and other products indicated:—"Reduction 5 per cent., Ministerial Decree, 5th June, 1934 (XII), Lire . . ." The label bearing the said inscription must not cover nor in any way obscure the original price, i.e., the retail price at the date of coming into force of this present decree, calculated net of the (previous) reduction of 5 per cent. which was applied by the ministerial decree of January 5, 1931; (3) the reduction (in price) given in Article 1 of this present decree is not applicable to foreign medicinal specialities which are not manufactured and/or packed within the Kingdom (of Italy).

## Topical Reflections

By Xrayser

### Dictators

may be necessary in certain circumstances; pharmacy should have no need of them. The Charter of the Pharmaceutical Society, which hitherto has stood for what pharmacy is and what it may become, is broad-based upon the expressed wishes of its members; and although recent alterations in the by-laws have curtailed certain methods of their approach, I am confident that in the long run the Society will retain its democratic character. There is all the more reason, therefore, to regard with grave suspicion any tendencies to form dictatorships, as pointed out in your editorial article on p. 75; all members who are not under the glamour of the official spellbinders should very seriously consider the implications of the election to the chairmanship of the Statutory Committee of a retired Government official who has specialised in the administration of criminal law, especially in view of the growing power of officials at Bloomsbury Square, power which appears to be acquiesced in by members of Council. "Country Chemist" (p. 183) directs attention to some aspects of the Society's education policy, as expounded by the secretary, and indicates what, in his opinion, will happen in a few years' time when such a policy has been developed. I regard it as a most unfortunate state of affairs that so many of our pharmaceutical legislators have little experience of what is happening in pharmacy to-day, and so allow highbrow idealists to dictate policies, which are often unpractical and may lead pharmacy into a morass before many years have passed. We must have our idealists, in pharmacy as in other departments of life, and if their idealism is linked to practical, up-to-date experience of the subjects they are considering, progress may be made; but unhappily, in our calling, the bridge between the idealist and the materialist, using the latter word in the business sense, is in a rotten condition, if it has not yet broken down altogether.

### "Slaves"

is a suitable word for those unfortunate apprentices and assistants who work under the conditions described by "Just an Apprentice" (p. 183). I am glad to know, although this is not much comfort for the writer of the letter, that the practice of late closing on this side of the Irish Channel is nothing like it used to be and that

the hours of chemists in business are now generally reasonable. I recall the hours I worked in a London pharmacy of the "ethical" type, thirty-five years ago: they were almost as bad as those described by "Just an Apprentice." We had one evening a week off from 4.30 p.m. and every other Sunday. I know, too, something of the conditions of country pharmacy, and how difficult it is to resist the temptation to keep open a little longer than the other fellow for those customers who will delay their shopping till just on closing time. I have never found, however, that I lost much business by closing in good time; and I suggest that if some of our Irish friends would take the initiative and close the shop at 7.30 or 8.0 p.m. no loss of business would result, and the example would be quickly followed by the rest. Failing that, why not call a meeting of the chemists interested? Over a pipe (and perhaps a little liquid refreshment) the matter could be discussed in a friendly way. It is surprising how by some such method the ice can be broken, and the discovery made that the man down the street is not a bad sort and is as ready to meet you as you are to meet him.

### I Agree

with "Chargem" (p. 183) on charging for developing all films. It is bad policy not to charge for those films which give negatives that cannot be printed. My experience was that such failures on the part of the customer could be turned to good account if handled diplomatically. I made it a practice, when the customer called for a spoilt film, to tell him in some detail just why he had failed to produce a satisfactory negative. Perhaps he had fogged the film in putting it into the camera, or taking it out, or he had much under-exposed or over-exposed it, or the camera was facing the sun. I explained to him, or her, how these mistakes could be remedied; and after a little such talk payment was cheerfully made, another film was bought and this was returned in due course for my personal attention. This is service: it means little to the pharmacist but much to the customer, who feels that interest is being taken in his work. Incidentally it means orders for fresh photographic material, and even when the customer leaves the neighbourhood his films are often sent to the same pharmacist to be developed.



## Legal Reports

**Illegal Sales of Poison.**—At Bray District Court, on July 27, District Justice Price heard summonses against H. H. Murdoch and Robert Greer (trading as Murdoch & Co.), of Main Street, Bray, for breaches of the Sale of Poisons and the Pharmacy Acts. Mr. J. Gaynor appeared for the Pharmaceutical Society of Ireland, and Mr. Craig for Murdoch & Co. The inspector of the Pharmaceutical Society of Ireland, in evidence, stated that on April 26 he purchased Cooper's Sheep Dip and Eureka Weed-Killer, both Part I poisons, which were sold to a person unknown. The Cooper's Dip was not labelled with the name and address of the seller. Evidence was given of similar offences on June 2. The solicitor for the defence raised a preliminary point that the Regulations did not apply. The magistrate ruled against him. Miss Phyllis Ryan, M.Sc., analyst, gave evidence that the Eureka Weed-Killer contained 28 per cent. of arsenic and the Cooper's Dip 21.5 per cent. The registrar of the Society gave formal evidence. The magistrate stated that the real substance of the offence was the sale to a person unknown. It was common knowledge that arsenic was used for criminal purposes. That was the crux of the matter, and the law therefore had made strict regulations under which these things were to be sold. He would deal severely with the defendants, one of whom had been previously convicted. One would have expected that they would have had sufficient business sense to avoid a second conviction. The magistrate imposed fines amounting to £27, with £5 5s. costs and £1 11s. 6d. analyst's fee, a total of £33 16s. 6d.

## New Companies and Company News

### P.C. means Private Company and R.O. Registered Office

**DUKE PHARMACEUTICAL CO., LTD. (P.C.).**—Capital £2,000. Objects: To carry on the business of chemists, druggists, drysalter, oil and colourmen, etc. Solicitors: Weightman, Pedder & Co., Liverpool.

**FRANK WREFORD, LTD. (P.C.).**—Capital £500. Objects: To carry on the business of chemists, druggists, opticians, hairdressers, etc. Solicitors: Francis & Calder, 41/2 King William Street, London, E.C.4.

**CHEMISTS PROPRIETARIES, LTD. (P.C.).**—Capital £500. Objects: To carry on the business of chemists, druggists, manufacturers of and dealers in proprietary and patent articles, medicines, etc. R.O.: Society Buildings, Russell Street, Portsmouth.

**H. L. GARBETT (CHEMISTS), LTD. (P.C.).**—Capital £150. Objects: To carry on the business of pharmaceutical, consulting, analytical, manufacturing, wholesale, retail and general chemists and herbalists, etc. Solicitor: Wm. A. Leyson, 2 Church Place, Neath, Glamorgan.

**A. ALBERMAN, LTD. (P.C.).**—Capital £20,000. Objects: To carry on business as manufacturers of and dealers in chemicals, gases, drugs, medicines, plaster of Paris, gypsum, plasters, disinfectants, etc. Solicitors: C. Butcher & Simon Burns, 82 Gresham Street, London, E.C.2.

**ATLANTIC WORKS, LTD. (P.C.).**—Capital £100. Objects: To carry on the business of manufacturers of and wholesale and retail dealers in food, perfumery, essences, soap, toilet requisites, drugs, etc. Subscriber: Ronald C. Simpkin, 84 Sudbury Court Road, Harrow, Middlesex.

**PROPRIETARY PRESCRIPTIONS, LTD. (P.C.).**—Capital £100. Objects: To carry on the business of chemists, druggists, and sundriesmen, etc. The subscribers (each with one share) are Cecil A. Barber, 4 Vernon Place, London, W.C.1, and Miss Betty M. Nichols, 4 Vernon Place, W.C.1.

**CHEMICAL PLASTICS, LTD. (P.C.).**—Capital £2,750. Objects: To adopt an agreement with Horatio W. Hutton and to carry on the business of chemists, druggists, drysalter, oil and colourmen, etc. Solicitors: Ashurst, Morris, Crisp & Co., 17 Throgmorton Avenue, London, E.C.2.

**HULMES SPECIALITY DEPOTS, LTD. (P.C.).**—Capital £2,000. Objects: To acquire the business of a speciality drug store proprietor carried on by Jas. Lord at 82 Upper Parliament Street, Nottingham, and at 41 Stockwell Gate, Mansfield, Notts. Solicitors: Warren & Allen, Weekday Cross, Nottingham.

**UNION FEEDING CO., LTD. (P.C.).**—Capital £3,000. Objects: To acquire the business of manufacturers of and dealers in cattle food, condiments and calf meal carried on by the Union Feeding Co., Ltd. (in liquidation), at 1 Derryhouse Street, Liverpool. Solicitor, G. Holmes Mossop, 61 Lord Street, Liverpool.

**PELDO PRODUCTS, LTD. (P.C.).**—Capital £110. Objects: To carry on the business of makers of and dealers in proprietary articles of all kinds, manufacturers of and dealers in industrial, chemical, medicinal and pharmaceutical articles, etc. The first directors include Mr. W. J. Beardsley (chairman and managing director, National Drug Industries, Ltd.). R.O.: P. & O. House, 14/16 Cockspur Street, London, S.W.1.

### Private Arrangements

**Arthur Daines and Arthur Cooper**, trading as Daines & Cooper, 1 Maldon Road, Southend-on-Sea, sundriesmen. A circular letter dated July 24, 1934, has been issued in this matter by Mr. Parkin S. Booth, of the Association of Manufacturing Chemists, Ltd., which states that the debtors have executed to him as trustee a deed of assignment. There is due to trade creditors £197; after deducting preferential claims a deficiency is disclosed amounting to £113, and this is practically accounted for by the amount written off the assets. It is not possible for the debtors to make any offer. The largest trade creditors approve of the deed of assignment.

**A. O. Findlay**, Clytha Park Road, Newport, Mon., and Commercial Street and Tredegar Street, Risca, chemist and druggist. A meeting of creditors was held on August 1 at the offices of the Association of Manufacturing Chemists, Holborn Viaduct, London, E.C.1, when a statement of affairs prepared by Mr. Arthur Gait, Newport, was submitted which disclosed liabilities £3,341, of which £1,425 was due to unsecured creditors. After deducting £71 for preferential claims, the net assets were £972. It was stated that a deed of assignment had been executed in favour of Mr. Parkin S. Booth as trustee. It appeared that in 1925 the debtor purchased two businesses at Risca for £1,500, satisfied by a cash payment of £250, the balance to be payable by annual instalments of £200 and secured by a charge on the debtor's private house. The purchase was completed in 1932. The business carried on at St. Mary Street, Risca, was closed in 1927 owing to severe depression. The fixtures, fittings and stock were transferred to Clytha Park Road, Newport, where the debtor opened a new business, which was run at a loss for about three years. In April 1932 the Caerleon Road business was sold for £1,737, of which £1,050 was paid to one creditor and the balance utilised to reduce the amounts owing to the remaining largest creditors. In September 1933 property in Oak Street, Newport, was sold and the surplus of £83 was put into the business, while in 1932 an insurance policy was surrendered for £97, which amount was paid over to a creditor. In the year to September 30, 1932, the turnover was £8,023, there was a loss of £23, and the drawings were £437; in the next year the receipts were £6,057 and the net profit was £179. The creditors resolved to confirm the deed of assignment, with a committee of inspection. The following are among the creditors:—Ayrton, Saunders & Co., Ltd., £80; The British Drug Houses, Ltd., £54; Burgoyne, Burbidges & Co., Ltd., £85; S. Maw, Son & Sons, Ltd., £36; Newbery & Phillips, Ltd., £1,668; Parke, Davis & Co., £21; R. Sumner & Co., Ltd., £20; Ucal, Ltd., £27.



# Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts

## Local Reports

### ENGLAND AND WALES

**East Ham.**—At a meeting of the East Ham Insurance Committee, on July 25, a letter was received from the Minister of Health regarding a recommendation that the sum of £25 should be withheld from a chemist in connection with the supply of surgical dressings, including jaconet. It was alleged that less quantities of jaconet than were prescribed had been supplied to a panel patient for a considerable time, although the chemist was paid in accordance with the prescriptions. The ascertained net overpayment was £11 4s. 8d. The Committee found that there was no fraudulent intent, but that the chemist had been guilty of gross carelessness; they directed him to refund £11 4s. 8d., and in addition recommended a penalty of £25. The Minister of Health intimated that the penalty recommended was severe, and suggested a smaller fine. The chemist involved had also written to the Ministry, saying that the penalty was harsh and excessive. After discussion the chairman suggested that the matter should be left in the hands of the Ministry, but it was decided that the Committee should adhere to their recommendation.

**London.**—A meeting of the Pharmaceutical Committee took place on July 25, when the following officers were appointed for the year ending June 30, 1935:—*Chairman*, Mr. H. Skinner; *Vice-Chairman*, Mr. D. A. Rees; *Secretary*, Mr. G. A. Tocher. Changes in the panel list for the second quarter of 1934 were reported as follows:—Shops changed hands, 14; new shops, 21; new branches, 9; resignations, 15. Comparative figures for the months of April and May, 1933 and 1934, showed an increase in the total number of prescriptions from 622,260 to 731,530 for April, but a decrease from 674,337 to 650,154 for May. Other matters considered by the Committee were claims in respect of late accounts, the steps taken with regard to illegible signatures on prescriptions, and the position with regard to the delayed publication of the British Pharmaceutical Codex. The Chemists' Service Subcommittee reported particulars of thirteen cases dealt with under the testing scheme during May and June; seven chemists were censured, five were cautioned, and in the remaining case no action was taken. Regarding seven cases previously dealt with the Ministry deducted from one chemist the sum of £2 and from the remaining six chemists £1 each.

**Middlesex.**—A meeting of the Middlesex Pharmaceutical Committee was held recently. The secretary (Mr. Hugo Wolff) called attention to the ambiguities in prescriptions (such as insulin requiring the brand supplied to be stated, serums, and especially the frequent orders for glucose—a term which easily leads to uncertainty and the return of the script). Statistical data for the year to date were circulated with comparative figures.—The annual meeting of the Pharmaceutical Committee was held on July 25, Mr. C. E. A. Goode in the chair. The officers were re-elected. The annual report was passed for circulation. The statistics for April and May show increases on the corresponding periods of 1933; but as averages are fairly constant, it would appear that the increase is due to more insured persons making their residence in the county.

**Sheffield.**—At a meeting of the Joint Services Subcommittee of the Sheffield Insurance Committee, at which a chemist was present, the report of a test prescription was considered. The analysis gave an excess of magnesium sulphate of 41.1 per cent. A report of an independent analyst differed. The chemist said his water supply had been cut off and he used distilled water. He admitted, however, that he had not heated it. He claimed that had the messenger waited until the crystals were dissolved the reference to the Committee would have been unnecessary. The messenger said the medicine was handed to her without comment.

The Subcommittee found that the prescription had been accurately dispensed as to the quantity of ingredients present, but that the mixture was handed over to the first messenger, who might have been an insured person presenting a prescription in the usual manner, with a portion of the contents in an undissolved state; there was gross carelessness in the method of dispensing, and the Subcommittee recommended that £1 is. be withheld from the chemist.

**South-West Lancashire and Cheshire.**—The report of the South-West Lancashire and Cheshire Joint (Prescriptions) Committee for the year 1933, states, *inter alia*, that the number of National Health Insurance prescriptions dispensed by chemists during the past eighteen years reached nearly fifty-two millions, at a cost of £1,807,132, the details thereof being shown hereunder (abridged table):—

Year	Prescriptions	Total cost	Average ingredient prices	Average disp. fees	Average total cost per prescription	Average cost per person on lists	Average prescription frequency per insured person
		£ s. d.	d.	d.	d.	d.	
1916	1,203,927	30,872 0 4	3.76	2.84	6.60	17.37	2.64
1918	1,792,808	57,054 17 4	4.26	3.28	7.54	20.68	2.74
1920	1,819,350	78,250 1 11	5.27	4.93	10.20	26.10	2.56
1922	2,227,761	82,522 2 6	3.97	4.92	8.89	26.87	3.02
1924	2,763,165	100,805 17 6	4.28	4.48	8.76	31.82	3.63
1926	3,402,564	125,619 16 9	4.43	4.43	8.86	37.03	4.18
1928	3,702,005	131,848 11 4	4.16	4.39	8.55	37.64	4.40
1930	3,860,384	128,438 1 1	3.65	4.33	7.98	36.19	4.53
1931	4,019,014	131,795 18 9	3.49	4.39	7.88	36.88	4.69
1932	4,086,045	135,150 19 6	3.57	4.36	7.93	37.37	4.71
1933	4,418,749	146,070 1 10	3.56	4.37	7.93	40.06	5.05

The increase in the number of prescriptions since the inception of the Bureau has been extraordinary (states the report), last year's total being 8.14 per cent. in excess of the previous year.

**West Riding.**—The West Riding Insurance Committee were informed, recently, by the Pharmaceutical Service Subcommittee, that two tests made on medicines obtained from panel chemists had resulted in unsatisfactory reports from the analyst. In one instance, it was stated, 20 per cent. excess of a certain ingredient was found, and the chemist, who admitted his error, had been fined £1. In the other case there was a deficiency of 24 per cent. in liq. ammon. aromat., and the chemist suggested that this deficiency was due to the volatile nature of the ingredient. The Committee had accepted this explanation. Mr. S. N. Pickard, chemist and druggist (a member of the Committee), suggested that consideration should be given to the question whether, in view of the instability of this ingredient, it would be better to withdraw it from the list of substances subject to test.

### SCOTLAND

**Kinross.**—At a meeting of the Insurance Committee for Kinross and Clackmannanshire in Alloa, on July 19, it was reported that the Panel Committee had investigated the matter of prescribing costs in the area, and had requested two doctors to offer explanations regarding the excessive cost of their prescriptions. One of the medical men concerned had stated that he had no explanation to make, and that any reduction would be a hardship to his patients. It was decided that the clerk be instructed to interview the doctor.



# Carnival Publicity

By E. H. G. Bennett

**W**E borrowed the idea of the carnival from our neighbours across the Channel. This may be made a cheap and very compelling form of advertisement. Fancy costumes and uniforms are expensive to buy or to make. There are, however, many firms who gladly lend these to their customers. Our parish of St. Michael's, Framlingham, recently organised a street procession with decorated cars. These contained

one Selo soldier wearing the uniform of that popular brand of films; one Yardley lavender girl in dress which was a copy of the print which this house has immortalised.

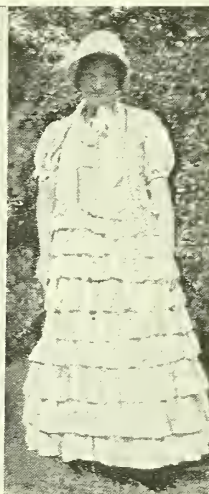
The show was reported in detail in two local papers. We secured about twenty photographs of wagons, characters, and of the beauty show (twelve entrants). Photographs and Press cuttings were exhibited in a local pharmacy window; these excited great interest and we



YARDLEY GIRL



KODAK GIRL



KOLYNOS GIRL



SELO SOLDIER

tableaux by Brownies, Scouts, schoolchildren and their elders. It proved eminently successful. One wagon was full of beautifully arrayed characters portraying familiar goods such as are seen in our pharmacies as well as other retail shops. We provided the following:—Three Kodak girls, arrayed in the familiar striped blue dresses which are now associated with that company; one Kolynos girl in early Victorian poke bonnet and flounced costume;

sold many copies of the pictures. The total cost was about 7s. 6d., comprising carriage back, postages and a telegram. The wholesale houses concerned gladly helped us in all possible ways; as there are numerous demands for these expensive costumes, early application is necessary. We extend our hearty thanks for the courtesy and promptitude of these four houses in helping us to make our parish fête such a success, and incidentally assisting us in our business.

## The Bleaching of Edible Oils

By Valentine Williams

**T**HE bleaching or decolorising of oils and fats may be accomplished by either of two methods, chemical means or physical means. The first method depends on the oxidation by nascent oxygen or the reduction by nascent hydrogen of the colouring matter present, and it is performed by the use of such well-known substances as potassium bichromate, potassium permanganate, chloride of lime, zinc or aluminium. However, in view of the fact that the colouring matter is still in the oil but in an oxidised or reduced state, there is always the tendency for the colour to revert to a certain extent under the influence of the atmospheric conditions. This is actually what happens in some cases, especially in those fats which have been subject to a reducing treatment. The oxygen in the air slowly acts upon them and gradually the colour returns to a greater or less extent.

The physical method is that in which various substances are added to the oil and, after suitable treatment, are removed by settling or filtration and take the colouring matter with them. This method is used extensively where the oil is required for edible purposes, as no odour or taste is communicated to the oil. The substances most

used for this treatment are animal charcoal, fuller's earth and acid-activated earths. The mechanism of the process is even now a matter for conjecture. The most usual explanation is that as the decolorising agents are in the form of fine light powders they are consequently very bulky. Their surface area is therefore very large, and it is considered that the bleaching is a process whereby the colour is absorbed at the surface of the bleaching agent which is in a particularly active state.

This is well illustrated by the use of charcoal. Not any form of charcoal will do for bleaching. For instance, gas carbon is useless; only animal charcoal will serve the purpose. It is made by heating bones in closed retorts until all the organic matter is burnt off and a light porous residue is left. This material consists of practically 90 per cent. of calcium phosphate and only about 10 per cent. of actual carbon; but the surface area of the material is enormous, as the carbon is on the honeycomb cellular structure of the phosphate. That the carbon now possesses remarkable properties is shown by the fact that it will absorb or remove colouring matter from many substances, and its use therefore as a bleaching agent is



very extensive. The usual process in the oil industry is to add from  $\frac{1}{2}$  to 5 per cent. of the charcoal to the oil and heat it to  $100^{\circ}/105^{\circ}$  C. with gentle agitation for about half an hour. The bulk of the black is then allowed to settle, and the oil is carefully filtered to remove that which is suspended. It is necessary to remove every trace of the carbon, as the least little quantity communicates a greyish tint to the oil.

### The Use of Earths

Bleaching earths are usually of the fuller's earth type, a mineral which is found abundantly in this country, especially in Cornwall. Only light and bulky earth is of any use for bleaching, and in many instances the natural product after grinding, etc., is used directly as a bleaching agent. More effective results, however, are obtained by treating the earth with 5 per cent. of hydrochloric acid and heating it to  $130^{\circ}$  C. until no more fumes are evolved. Earth so prepared is known as activated earth, and it is desirable to use it as soon as possible after the acid treatment to secure the best results. For the treatment of edible cotton and olive oils it is used very widely. The method of use is broadly the same as for carbon black, although different oils are responsive to slight modifications in technique which the oil refiner will soon discover. Andrews and Folzenlogen, working on cotton-seed oil, found that if 1 per cent. of water was added to the oil during its treatment with 3 per cent. of fuller's earth, the results obtained were the same as if 6 per cent. of the earth had been used on the dry oil.

The separation of the earth is an easier matter than with charcoal, as practically all of it separates to the bottom of the vessel as a black sludge. The supernatant oil is then run through a filter-press. It is often found that the best results are obtained by using a mixture of

carbon and earth; but as no precise rules, except the use of fresh earth, the avoidance of excessive temperatures and a sufficient length of time for the action, can be laid down, experiments must be conducted on the oil in question to find the best bleacher.

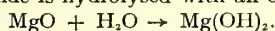
The disposal of the residue of used earth is an important consideration for the oil refiner, as it can contain anything up to 10 per cent. of oil. This can be extracted in a solvent extraction plant, using benzene as the fluid for extraction. The oil so obtained is in some cases of a better colour than the original oil, but so much depends on the nature of the colour removed, its quantity, the temperature used, etc., that the yield and its value are always uncertain. However, as most of the oil can be obtained by this method, it is invariably used, whilst the oil-free bleaching earth thus obtained can be processed to make it usable again. It is dried and ignited in a furnace to remove the organic matter and treated with 5 per cent. of hydrochloric acid as described above. It is then ready to be used for a fresh batch of oil.

Another method of bleaching, whilst being only applicable to fatty oils, is of interest in view of its widespread use in the edible oil industry. Although the reaction looks like a chemical one it does not fall within our definition of a chemical bleach, as its decolorising action is purely mechanical. The oil is heated to about  $180^{\circ}$  F., and sufficient caustic soda in the form of a solution of  $90^{\circ}$  Tw. to exactly neutralise the free fatty acids present is sprayed into it. The soap granules so formed absorb a large amount of the colouring matter as they sink to the bottom of the vessel, so that the layer of oil above has been partially bleached during this operation. It is worthy of note that most of the above physical treatments for bleaching also improve the taste and odour in the case of edible oils.

## Magnesia Tooth Paste

By Maison G. de Navarre

THERE is a considerable amount of literature available on the manufacture of tooth pastes, but on the subject of magnesia tooth paste there is little or nothing published. This type of dentifrice has become popular, especially in the United States. Magnesia pastes are easily made, but require, in some instances, a little different technique from that ordinarily used. A precipitated magnesium hydroxide is out of the question. Magnesium oxide is hydrolysed with an excess of water:



The colloidal properties of this hydroxide will vary with the technique used. If a colloid mill is employed, naturally the product will be in finer suspension. At this point it may be apropos to add that a colloidal product is not absolutely essential for a tooth paste. The subsequent millings will subdivide the particles if they are lumpy. Hydrolyse magnesium oxide with water (about 5 to 10 per cent.) for several hours by the aid of heat (to  $80^{\circ}$  C.) and allow to stand overnight. Decant the liquid from the hydroxide, and if the latter is lumpy break up the mass in a mortar or mill. It is conventional, and useful too, to include soap in a magnesia paste. Dissolve about 3 per cent. of powdered castile soap, together with 2 per cent. sodium lauryl sulphonate in glycerin, on a water bath. If a higher temperature than  $100^{\circ}$  C. is necessary to dissolve the soap, leave out the sodium lauryl sulphonate; dissolve the soap at a higher temperature and cool below  $100^{\circ}$  C., set on a water bath and dissolve the other ingredient. On cooling, the homogeneous mass will harden. Therefore, it is necessary to keep the mixture warm during use to aid manipulation. Strain the decanted magnesium hydroxide, to remove as much of the water as possible. Now add sufficient glycerin to make the mixture contain about 15 per cent. magnesium hydroxide. Warm the mixture to the temperature of the base mentioned above, add it to the base and mix thoroughly. The mass will stiffen substantially. Now add the calcium carbonate and magnesium carbonate. Colour pink with eosin, magenta or carmine, and run

through a milling machine. Allow to set overnight, add the flavour and mill again. The basic formula, of which there can be made many variations, is as follows:—

Base	...	...	35	per cent.
Magnesia mixture	...	...	20-30	per cent.
Magnesium carbonate	...	...	2-5	per cent.
Precipitated chalk	...	...	30-40	per cent.
Colour and flavour	to suit.			

An alternative formula and procedure is as follows:—

Precipitated chalk	...	...	45	per cent.
Soap powder	...	...	5	per cent.
Glycerin	...	...	20	per cent.
Magma magnesia	...	...	25	per cent.
Flavour	...	...	3	per cent.
Sodium lauryl sulphonate	...	...	2	per cent.

Mix the glycerin and the flavour with the chalk. Add the soap powder to the magma of magnesia, mixing thoroughly but avoiding frothing. Add the chalk-glycerin-flavour mixture to the magnesia-soap mixture and mix intimately. Mill the mass and pack into tubes.

### INCOMPATIBILITIES

Soap is incompatible with salts of magnesium and calcium. To prevent the formation of insoluble soaps, water must be substantially absent from these mixtures to avoid ionisation. But the calcium and magnesium salts of sodium lauryl sulphonate are soluble, and still possess detergent qualities, just the same as does the sodium salt. Hence the usefulness of the small percentage of this compound. Avoid eucalyptus and thyme oils in magnesia tooth paste. They do not blend well. Use anise, cinnamon, clove, peppermint, menthol, caraway or spearmint oils in mixtures of any one or more of them. Good mixtures are made with spearmint, caraway, menthol and peppermint. Glycerin is used to displace the water, and because of its sweet taste no sweetener is necessary. A paste made according to the first formula suggested will satisfy all requirements for a good tooth paste, froth mildly and cleanse well.



# Trade Notes

INTERNATIONAL CHEMICAL CO., LTD., Braydon Road, London, N.16, offer to send chemists a window bill calling attention to the picture which is being presented to users of Reudel bath cubes. Further details are printed elsewhere in this issue.

**TABLOID FINE-GRAIN DEVELOPER.**—Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C.1, have placed on the market a fine-grain developer in tabloid form. Its use does not demand increased exposure or development. Dissolved in plain water, it is a most satisfactory developer for negatives designed to be enlarged up to about ten diameters (V.P. to 20 in. x 15 in. approximately), and has this further advantage, that if a 20 per cent.



solution of anhydrous sodium sulphite is used, instead of part of the water, the grain is still finer and permits of much greater degree of enlargement. Tabloid Fine-Grain Developer is issued in cartons each containing materials sufficient for preparing 30 ounces of normal strength developer, or 60 ounces of tank developer.

**A JUBILEE CELEBRATION.**—The firm of Johnsen & Jorgensen was founded by Mr. Wilhelm Martin Johnsen and Mr. Johan Jorgensen on August 1, 1884. In that year the partners opened an office in 54 Crutched Friars, London, E.C. For the first ten years they dealt as agents or commission merchants in a large variety of Norwegian products, and exported certain English specialties to Norway. They started with fish oils and fish products, and specialised in non-freezing medicinal cod-liver oil. Among other articles special mention may be made of unsweetened condensed milk; matches were another commodity handled for many years and in which they did a considerable business. Glass bottles were started during the first year, and by 1894 formed the biggest part of the business. While the start was made with beer, wine and spirit bottles only, the business soon extended to other kinds of bottles, jars and containers for the confectionery trade, cut glass, and glass for the luxury trades. An important factor in the development of the bottle business was the connection with the firm Surte Glassworks, Sweden. About 1906 Messrs. Johnsen & Jorgensen purchased the majority of the shares of the Surte Glassworks and ultimately took over the whole concern. In 1898 the old-established business of H. Poths & Co., druggists' sundriesmen, was acquired, and a number of the staff are still in the service of the company. For about thirty years Messrs. Johnsen & Jorgensen had been tenants of the Port of London Authority in the East India Import Dock. When in 1917 the lease expired and could not be renewed, the firm bought four acres of land on the banks of the Thames at Charlton and built Thames Wharf. In 1922 Messrs. Johnsen & Jorgensen equipped a factory for the manufacture of glass tubes, vials, ampoules and articles for laboratory and hospital use, and this factory caters for a very large demand in this type of glassware. Since then the firm have also built the Trident Glassworks for the purpose of manufacturing, chiefly, the glass tubing

required by their own factory. The warehouses and factory employ about 170 persons, and some 70 more form the staff and travellers of the London and branch offices. Many of the employees have been with the firm for periods ranging from fifteen to forty years. The present Board consists of:—*Chairman*, Mr. J. Jorgensen; *Managing Directors*, Mr. I. Throndsen and Captain J. R. C. Jorgensen; Mr. R. W. Jorgensen, Mr. I. B. Throndsen, Captain W. O. C. Johnsen, Mrs. E. Adams. The following companies are under the management of Messrs. Johnsen & Jorgensen:—Johnsen & Jorgensen Flint Glass, Ltd., Farringdon Street, London, E.C.4; British Cellofoils, Ltd.; Trident Glassworks, Ltd.

THREE remarkably fine photographs of the Long Melford herb farms of Stafford Allen & Sons, Ltd., Cowper Street, London, E.C.2, were reproduced in "The Times" on August 2. These illustrations showed lavender being cut and put into bags and the picking of chamomile.

A STATEMENT was made at the recent Conference of the British Medical Association that face powder containing orris root might cause catarrh among some women. Pond's Extract Co., Ltd., Wadsworth Road, Perivale, Middlesex, inform us that no orris root is used in the manufacture of the face powder they produce.

**ANDREWS LIVER SALT.**—About two thousand gift tins of Andrews liver salt were distributed among the audience at the South London Palace, London Road, London, S.E., on August 8, one of the gala nights which are held there. The girl-attendants were dressed in green overalls with caps to match and each carried a bannerette with the words "Andrews Liver Salt Gives Life a Sparkle." Many chemists in the locality are linking up with this publicity by making special displays of this well-known proprietary.

**OSTERMILK SALES SCHEME.**—Glaxo Laboratories, 56 Osnaburgh Street, London, N.W.1, inform us that they have received praise from pharmacists all over the country regarding their Ostermilk sales scheme, which operates in the following manner:—The chemist forwards to Messrs. Glaxo the name and address of an interested customer on the reply-paid postcards which they supply. That sets in motion a highly efficient system which sells Ostermilk. Details of this scheme will be sent on application to any chemist not already acquainted with it.

THE illustration below shows an attractive display of the new pack of Hinds Cream, together with the new sunburn showcard. One of these sales-aids may be



obtained on application to A. S. Hinds, Ltd., Raynes Park, London, S.W.20, by any chemist who has not already received one.



## Marriages

JOHNSTON—MITCHELL.—At Christ Church, Liverpool, recently, James Johnston to Peggy Anderson Mitchell, daughter of Mr. W. D. Mitchell, chemist and druggist, Ruthin.

REES—WILLIAMS.—At Merridale Presbyterian Church, Wolverhampton, on July 28, William Sydney Rees, chemist and druggist, Aberystwyth, to Barbara Williams.

UPTON—RATCLIFFE.—On July 29, Ernest S. Upton, M.P.S., Tonbridge, to Florence Agnes Ratcliffe, Hayesden.

## Deaths

NAPIER.—At Ruby Villa, Sciennes Gardens, Edinburgh, on August 1, very suddenly, Mr. Walter G. Napier, M.A., B.Sc., F.S.A. (Scot.). Mr. Napier, who was born in 1872, graduated at Edinburgh University with honours in natural philosophy and botany, and was medallist in Latin, Greek and mathematics. He had the gift of imparting his learning, and till 1914 devoted his time to coaching. Too old for active service, he then freed his younger brother (Mr. D. S. Napier, chemist and druggist), by taking over his duties as manufacturing chemist in the firm of D. Napier & Sons, herbalists and chemists, Bristo Place, Edinburgh. After the war he joined this brother in partnership. An enthusiastic field botanist and a great walker, with a passionate love for all things Scottish, his lectures on Scotland with his own photographic slides, in aid of charities, will long be remembered. He was one of the founders of the Scottish Society and an authority on the intricacies of Scottish dress. Mr. Napier was also an expert philatelist, an indefatigable worker and a generous giver.

REES.—In a Cardiff nursing home, on July 25, Mr. William Ernest Jenkins Rees, chemist and druggist, Penydaren, Dowlais. Mr. Rees was the son of the late Alderman R. P. Rees, chemist and druggist, to whose pharmacy he succeeded, and he was an active member of the local chamber of trade.

## Personalities

MR. W. COLE, chemist and druggist, Cowes, attained his commercial jubilee on August 2.

MR. W. R. SLORACH has been granted permission to practise as a chemist and druggist in Jersey.

ALDERMAN W. ADAMS, Ph.C., Shrewsbury, has been granted the honorary freedom of the borough in recognition of his many services.

MR. E. PRESTON, Ph.C., Sheffield, on behalf of the "Brighter Sheffield" scheme, opened his garden to the public on Sunday and Monday, August 5 and 6, from 3 p.m. until dusk.

MR. P. F. ROWSELL, J.P., member of the Council of the Pharmaceutical Society, has been re-elected chairman of the Joint Vagrancy Committee for the Devon, Exeter and Plymouth areas.

MR. T. H. SEED, chemist and druggist, Pokesdown, Bournemouth, and Mrs. SEED were awarded the prize for the happiest-looking married couple at St. George's Summer Fayre. A photograph of the prize-winners was published in the local Press.

CERTIFICATES OF NATURALISATION have been granted to L. Berenstein, dealer in drugs and chemicals, 21 Gledhow Gardens, South Kensington, London, S.W.5; J. Gordon, medical practitioner, 1 Sidmouth Mansions, Sidmouth Road, Cricklewood; J. Irger, medical practitioner, 5 Pembury Road, Clapton, London; L. Kroms, medical practitioner, 26 Rankeillor Street, Edinburgh.

ROTARIANS connected with pharmacy will be interested to learn that the profession is well represented in the list of new presidents of Rotary Clubs throughout the country for the year 1934-35. Mr. James Jack, Ph.C., is the new president of the Arbroath Rotary Club; Mr. T. C. Miller of the Dunfermline; Mr. Robert G. Pickles of the Finchley. Other Rotarian presidents are Mr. Donald C. Hampson (Leigh, Lancs); Mr. J. H. Taylor, J.P. (Lytham); Mr. Clement J. Wain (Newcastle-under-Lyme); Mr. H. Hocken (Redhill); Mr. A. S. Barnes (Rugby); Mr. W. Hudson (Skegness).

THE announcement of the retirement of Mr. Frank Browne, F.I.C., Ph.C., from the headquarters staff of the Pharmaceutical Society of Great Britain (*C. & D.*, August 4, p. 177) will be received with genuine regret by many pharmacists in all parts of the country. Mr. Browne was a medallist in the Society's School in 1888, and then became a demonstrator under the late Professor Attfield. He was Government analyst in Hong Kong for some time, eventually returning to England. His numerous friends were glad to see him at the Leeds meeting of the Conference last month, and many good wishes will follow him as he leaves Bloomsbury Square.

## Business Changes

MR. F. LAWSON, chemist and druggist, is removing from No. 133 to No. 155 Kirkdale Road, Liverpool.

As from August 3, the address of Carter Brothers, wholesale druggists, is Glen Laboratories, Shipley, Yorks.

PAINES & REID, colonial merchants, have removed from Market Buildings to Dunster House, Mincing Lane, London, E.C.3.

THE business at 452 Edgware Road, London, W.2, is, as from August 3, conducted as Windle & Co. by Mr. B. Jones, M.P.S.

MR. ALEXANDER CRAWFORD, chemist and druggist, has removed from 5 Canntyne Road to new premises at 961 Duke Street, Glasgow.

MR. R. P. VALENTINE, chemist and druggist, has purchased the business of Miss M. Teunion, chemist and druggist, 91 Victoria Road, Kirkcaldy.

MR. S. C. HAWKESWOOD, chemist and druggist, has acquired from the executors of the late Mr. F. W. Biggs the pharmacy at 39 Market Street, Stourbridge.

## Wills

MR. WILLIAM ARTHUR WILLIS, The Devon Pharmacy, Seaton, who died on April 23, left estate of the gross value of £4,690, with net personalty £3,151.

MR. GEORGE STEPHEN, Belmont, Huntly, Aberdeenshire, chemist and druggist, who died on April 25, left personal estate in Great Britain of the value of £1,643.

MR. WILLIAM JOHN MCGREGOR, "Ituna," Ellon, Aberdeen, chemist and druggist, who died on May 13 last, aged sixty-four, left personal estate in Great Britain valued at £6,378.

MR. HENRY MORGAN DAVIES, J.P., Blaenavon, Monmouth, chemist and druggist, who died on June 10 last, left estate of the gross value of £3,797, with net personalty £3,516.

MR. HENRY ROBERT MAYNARD, St. Luke's Vicarage, Heneage Road, Grimsby, Lincs, chemist and druggist, who died on September 18 last, aged eighty-one, left estate gross value £9,888, with net personalty £9,856.

MR. CHARLES CHALMERS BRYCE, 43-45 Great Tower Street, E.C., managing director of Bryce, Robarts & Co., Ltd., chemical merchants, who died on March 23 last, left estate gross value £51,292, with net personalty £44,304.



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# THE CHEMIST AND DRUGGIST

VOL. CXXI. August 11, 1934 NO. 2844

## The Poisons List and Rules

THE draft of the new Poisons List and Poisons Rules has been issued to interested bodies for comments, and the text will be found on pp. 196-203 of this issue. It is expected that the Board will meet again in October; the interval provides an appropriate length of time for chemists to give attention to the subject-matter and make suitable representations, preferably through their Press. A general survey shows that the Board has conservative tendencies, as there is no marked deviation from the ancient methods of the Pharmaceutical Society. One phase, however, of the Board's activity is more sensible: a much wider circulation of the draft is being made than has been customary hitherto. This may result in an unwieldy number of conflicts of opinion from associations, which may obscure the issue; nevertheless, it should make for soundness. The guiding principles appear to be based on the Pharmaceutical Council's expert knowledge and experience; but some of the items in the list will require further consideration and possibly a keen defence from chemists to preserve their inclusion.

### Proposed Changes

It must be admitted that some control over the sale of various antipyretics has lately been advisable, but it was an exceedingly difficult thing for the Council to apply. That, at least, is one advantage of an independent Poisons Board. An examination of the *C. & D.* Poisons Card No. 2 shows a remarkable number of poisons which are preparations containing a poison, and has led to many arguments between experts as to what is the essential poison. The draft List shows the names of the poisons only, and deals with preparations, solutions and admixtures in a more defensible way. Rule 2 (i) (b) states:

"A reference to a poison shall include a reference to that poison when contained in any preparation, solution, admixture or natural substance . . ."

The List introduces percentages in only two cases, those of iodine and phenol, though under the heading "exclusions" we have several percentages mentioned which modify the bald statement that a certain drug or chemical is a poison. It is necessary to read the list and exclusions together. The draft Rules are not quite as simple as the draft List. Experts may be entirely competent in dealing with the question of what is to be regarded as a poison, but experts can tie us up with rules owing to their official way of phrasing essentially simple ideas. For most people it will be necessary, in reading certain rules, to have the Pharmacy and Poisons Act at hand, in order to understand the meaning of them. This drawback could be rectified by annotations. The declaration of proportion or percentage of poison differs slightly from that now prevailing, but the facilities arising from the use of official names remain.

### Labelling

A new phase of labelling according to the character of the medicament is made necessary by the extended list of poisons, including substances which, though potent, have not hitherto been regarded as poisons in Great Britain. The storage of poisons is put on a more satisfactory basis, and will conform largely with what the experienced pharmacist carries out. Schedules are attached for recording sales and for other purposes. The difficulty over knowledge of the purchaser, which has often given trouble, is met by a certificate from a householder (who must be known to the seller) or from a police station officer. Rules governing poisons in institutions are not specifically available. Several of the draft Rules would no doubt apply, but presumably something different will arise for this large class of distributors; as they stand, the rules are not practical for institutions. Colouring of certain poisons is adopted. The manufacture of pharmaceutical preparations containing poisons for internal treatment must be under the supervision of registered pharmacists or Fellows or Associates of the Institute of Chemistry; the Secretary of State can extend the list. The first impression derived from a survey of the draft is that in certain particulars the Rules need clarifying and in others simplifying. Chemists may well be anxious about the meticulous phrasing of any rule which is difficult to carry out in the rush hours of business. Our readers may with advantage turn their minds to suggestions for rationalising these Rules and eliminating the fear that hidden meanings lie behind official phraseology.

### A Flattering Synthesis

THE trite maxim that imitation is the sincerest form of flattery came to mind as we glanced through an article in the June issue of the New York "Drug and Cosmetic Industry" entitled "Ambergris," and purporting to be written by a Mr. Harry G. Kelbly. It will be remembered that in our issue of March 17 we published an illustrated article, the constituent sections of which were written by Mr. A. C. Stirling and Mr. W. A. Poucher, Ph.C., on the commerce and uses of ambergris. About the same time there appeared in "Natural History" (the Journal of the American Museum of Natural History) an account, with numerous illustrations, of the same substance, under the title "Floating Gold," by Mr. R. C. Murphy. Disregarding fractions—which, no doubt, would be considered vulgar in the higher walks of journalism to which Mr. Kelbly presumably belongs—we find that the twenty-three inches of column space occupied by the text of his article are made up as follows:—

From the *C. & D.* (Messrs. Stirling & Poucher) 15 inches  
From "Natural History" (Mr. Murphy) .. 8 inches

Following Mr. Murphy, our author tells us that "the European attitude toward the commodity during the Middle Ages is well indicated in a text published as late as 1691, the 'Pharmacopœia Londonensis' [sic] . . . this treatise on the 'Art of Healing and Praxis of Chymistry.' . . ." Students of the history of pharmacy will be surprised to discover a new sub-title for the P.L., and to learn that the Middle Ages were so long in giving place to the Renaissance. Mr. Kelbly has attempted a certain amount of sub-editing in compiling his synthesis; the locus classicus for this kind of attempt is to be found in "The School for Scandal": "looks like a mended statue, in which the connoisseur may see at once that the head is modern, though the trunk's antique." Nothing of the author's is left in this article, it thus appears, but his name. We wonder if that is synthetic.



# The Pharmacy and Poisons Act, 1933

The Home Office has issued, with the date "July 1934," the provisional Poisons List and Poisons Rules, as drawn up by the Poisons Board, for the observations of the interests affected. In view of the great importance of the subject we print the List and Rules in full

## I—The Poisons List

as in force on.....

In the construction of this List, unless the contrary intention appears:—

(1) A reference to a substance shall include a reference to that substance prepared either from natural sources or artificially;

(2) a reference to a substance shall include a reference to that substance when contained in any preparation, solution, admixture or natural substance;

(3) percentages shall be deemed to be percentages calculated on a basis of weight in weight;

(4) words in the singular shall include the plural, and words in the plural shall include the singular.

(Where a substance is not to be treated as a poison when in a particular form or condition the fact is indicated by an asterisk.)

### PART I

Acetanilide; alkyl acetanilides.

\*Acetic acid.

Alkaloids, the following; their salts; their derivatives; salts of their derivatives:—

Aconite, alkaloids of

Apomorphine

Areca, alkaloids of

Atropine

Belladonna, alkaloids of, not otherwise included in this List

Brucine

Coca, alkaloids of, not otherwise included in this List

Cocaine

Codeine

Colchicine

Conine

Cotarnine

Curarine

Diacetylmorphine

Egonine

Emetine

Ephedra, alkaloids of

Ergot, alkaloids of

Amidopyrin.

Amino-alcohols, esterified.

Amino-benzoic acid, esters of; their derivatives; esters of derivatives of amino-benzoic acid; their derivatives.

Amylene hydrate.

Amyl nitrite.

\*Antimony, oxides of; antimonates; antimonites; organic compounds of antimony.

\*Arsenic, halides of; oxides of arsenic; sulphides of arsenic; arsenates other than those specified in Part II of this List; arsenites other than those specified in Part II of this List; organic compounds of arsenic.

Barbituric acid; its salts; derivatives of barbituric acid; their salts; compounds of barbituric acid, its salts, its derivatives, their salts, with any other substance.

\*Barium, salts of, other than barium sulphate and the salts of barium specified in Part II of this List.

Bromoform.

Butyl chloral hydrate.

Gelsemine

Gelseminine

Homatropine

Hydrastine

Hydrastinine

Hyoscyne

Hyoscyamine

Lobelia, alkaloids of

Morphine

Narceine

Narcotine

Pelletierine

Physostigmine

Pilocarpine

Quebracho, alkaloids of

Sabadilla, alkaloids of

\*Sparteine

Stavesacre, alkaloids of

Strychnine

\*Veratrum, alkaloids of

Yohimba, alkaloids of

Cannabis (the dried flowering or fruiting tops of *Cannabis sativa*, Linn.); the resin of cannabis; extracts of cannabis; tinctures of cannabis; cannabin tannate.

Cantharidin.

Chenopodium, oil of.

Chloral formamide.

Chloral hydrate.

Chlorbutol.

\*Chloroform.

\*Chromic acid; chromates; dichromates.

\*Colocynth pulp; extracts of colocynth pulp.

\*Creosote obtained from wood.

Croton, oil of.

Digitalis, glycosides of.

Dinitrocresols; dinitronaphthols; dinitrophenols; dinitrothymols.

Elaterin.

Emetine bismuth iodide.

Ergot (the sclerotia of any species of *Claviceps*); extracts of ergot; tinctures of ergot.

Erythrityl tetranitrate.

Ethyl bromide; ethyl chloride.

Formaldehyde, the polymers of.

\*Glyceryl trinitrate.

Gold, salts of; gold, compound salts of.

Guanidine; derivatives of guanidine.

\*Hydrobromic acid.

\*Hydrochloric acid.

Hydrocyanic acid; cyanides.

Hydrofluoric acid; \*alkali fluorides other than that specified in Part II of this List; sodium silicofluoride.

Insulin.

Iodine except in articles containing less than three per cent. of iodine.

\*Lead acetates; compounds of lead with fatty acids.

\*Mercury, oxides of; nitrates of mercury; mercuric chloride; mercuric ammonium chloride; mercuric iodide; potassio-mercuric iodide; mercuric oxy-cyanide; mercuric sulphocyanide; organic compounds of mercury.

Metaphenylenediamine; its salts; paraphenylenediamine; its salts.

\*Nitric acid.

Nitrobenzene.

Opium.

Ouabaine.

Oxalic acid; oxalates.

Oxycinchonic acid, derivatives of; their salts; their esters.

Oxyquinoline; its salts; derivatives of oxyquinoline; their salts.

Paraldehyde.

Phenetidylphenacetin.

Phenazone; its salts.

\*Phenols (any member of the series of phenols of which the first member is phenol and of which the molecular composition varies from member to member by one atom of carbon and two atoms of hydrogen), except in articles containing less than 45 per cent. of phenols; metallic derivatives of phenols except in articles containing less than the equivalent of 45 per cent. of phenols.



Phenylcinchoninic acid; its salts; its esters; derivatives of phenylcinchoninic acid; their salts; their esters.  
 Phosphorus, yellow.  
 Picric acid.  
 Picrotoxin.  
 Pituitary gland, the active principles of.  
 Rue, oil of.  
 Santonin; santonic acid; its salts.  
 Savin, oil of.  
 Silver nitrate.  
 Sodium nitrite.  
 Strophanthus; glycosides of strophanthus.  
 Sulphonal; its derivatives.  
 \*Sulphuric acid.  
 Suprarenal gland, the active principles of; their salts.  
 Tansy, oil of.  
 Thallium, salts of.  
 Thyroid gland, the active principles of; their salts.  
 Tribromethyl alcohol.  
 \*Ureides not otherwise included in this List except caffeine, theobromine, theophylline, xanthin.  
 Urethanes.  
 Zinc chloride except in soldering fluxes; zinc ammonium chloride except in soldering fluxes; zinc phosphide; zinc sulphate.

## PART II

\*Ammonia, solutions of.  
 \*Alkali fluorides, the following:—  
   Sodium fluoride.  
 Arsenates, the following:—  
   Calcium arsenate.  
   Lead arsenate.  
 Arsenites, the following:—  
   Copper aceto-arsenite.  
 Barium, salts of, the following:—  
   Barium carbonate in articles for the destruction of rats and mice.  
   Barium silico fluoride.  
 \*Carbon tetrachloride.  
 \*Formaldehyde.  
 Iodine in articles containing less than 3 per cent. of iodine.  
 \*Nicotine.  
 Phenols as defined in Part I of this List in articles containing less than 45 per cent. of phenols; metallic derivatives of phenols in articles containing less than the equivalent of 45 per cent. of phenols.  
 \*Potassium hydroxide.  
 \*Sodium hydroxide.  
 Tetrachlorethane.  
 Trichlorethylene.  
 Zinc chloride in soldering fluxes; zinc ammonium chloride in soldering fluxes.

## EXCLUSIONS

The following are not to be treated as poisons for the purposes of the Pharmacy and Poisons Act, 1933:—

Acetic acid in articles containing less than 30 per cent. of acetic acid,  $\text{CH}_3\text{COOH}$ .  
 Ammonia in liquids containing less than 5 per cent. of ammonia,  $\text{NH}_3$ .  
 The following in vitreous articles, glazes, pigments, paints, fillers, loading materials, matches or fire-works:—Oxides of antimony; oxides of arsenic; sulphides of arsenic; organic compounds of arsenic; arsenates; arsenites; salts of barium; chromic acid; chromates; dichromates; alkali fluorides.  
 The following in propellants:—Barium, salts of; glyceryl trinitrate.  
 Carbon tetrachloride in cleansing fluids and fire extinguishing fluids contained in a receptacle bearing the words "Warning. The vapour of this fluid is dangerous if inhaled, especially in confined spaces."  
 Chloroform in articles containing less than 5 per cent. volume in volume of chloroform.  
 The following in batteries or accumulators:—Chromic acid; chromates; dichromates; sulphuric acid; zinc ammonium chloride.  
 Colocynth pulp in articles containing less than 50 per cent. of colocynth pulp; extracts of colocynth

pulp in articles containing less than 50 per cent. of extracts of colocynth pulp.  
 Creosote obtained from wood in articles containing less than 50 per cent. of creosote obtained from wood.  
 Formaldehyde in articles containing less than 5 per cent. of formaldehyde,  $\text{H.CHO}$ .  
 Hydrobromic acid in articles containing less than 9 per cent. of hydrobromic acid.  
 Hydrochloric acid in articles containing less than 9 per cent. of hydrochloric acid.  
 Compounds of lead in machine-spread plasters.  
 The following as a dressing on seeds:—Mercuric chloride; mercuric iodide; organic compounds of mercury.  
 Nicotine in tobacco.  
 Nitric acid in articles containing less than 9 per cent. of nitric acid.  
 Nitrobenzene in soaps, boot polishes or floor polishes.  
 Phenols, the following:—Phenols occurring naturally in essential oils; phenols in soaps, tooth pastes, tooth powders or disinfecting powders containing less than 5 per cent. of phenols; phenols in creosote obtained from coal tar; thymol in articles containing less than 10 per cent. of thymol.  
 Potassium hydroxide in articles containing less than 4 per cent. of potassium hydroxide.  
 Sodium hydroxide in articles containing less than 4 per cent. of sodium hydroxide.  
 Sparteine in articles containing less than 1 per cent. of sparteine.  
 Sulphuric acid in articles containing less than 9 per cent. of sulphuric acid.  
 Veratrum, alkaloids of, in insecticide powder.

## II—Poisons Rules

## PART I

## GENERAL

1. (1) These Rules may be cited as the Poisons Rules, 1935, and shall come into operation on the day of 1935.  
 (2) For a period of twelve months after these Rules come into operation the requirements of those Rules in regard to the labelling of *poisons* or to the *containers* in which *poisons* must be stored or transported or may be sold or supplied shall be deemed to be complied with if the corresponding provisions (if any) of the enactments mentioned in the Third Schedule to the Act are complied with.
2. (1) In these Rules, unless the context otherwise requires—  
 (a) the following expressions have the meaning hereby respectively assigned to them, that is to say—  
   "*Arsenical poisons*" means halides of arsenic, oxides of arsenic, sulphides of arsenic, arsenates and arsenites;  
   "*The Act*" means the Pharmacy and Poisons Act, 1933;  
   "*British Pharmaceutical Codex*" means the British Pharmacopœia and any supplement thereto;  
   "*British Pharmacopœia*" means the British Pharmacopœia and any supplement thereto;  
   "*Container*" means a *receptacle* together with any covers surrounding the *receptacle*;  
   "*Listed seller of poisons*" means a person entitled to sell poisons included in Part II of the Poisons List by virtue of the entry of his name in a *local authority's* list kept in pursuance of section 21 of the Act;  
   "*Prescribed*" means prescribed by these Rules;  
   "*Receptacle*" means a vessel, box or envelope which contains a *poison* and is, but for any substance used solely as a lining, in direct contact with that *poison*;  
   "*Required*" means required by or under the Act or these Rules;  
   "*Retail trader*" means a person whose business

includes the sale of goods to the general public:

- (b) a reference to a *poison* shall include a reference to that *poison* when contained in any preparation, solution, admixture or natural substance and a reference to an alkaloid shall include a reference to any salt of that alkaloid;
- (c) the expressions defined in section 29 of the *Act* have the meaning therein respectively assigned to them.
- (d) the expression "*Food*" includes a beverage or condiment.

(2) The Interpretation Act, 1889, applies for the purpose of the construction of these Rules as it applies for the purpose of the construction of an Act of Parliament.

## PART II

### LABELLING AND CONTAINERS

3. (1) Subject to the provisions of these Rules, no person shall sell, whether by wholesale or by retail, or supply, gratuitously or otherwise, a *poison* unless the *container* of the *poison* is labelled in the prescribed manner—

- (a) with the name of the *poison*; and
- (b) in the case of a preparation which contains a *poison* as one of the ingredients thereof, with the *prescribed* particulars as to the proportion which the *poison* contained in the preparation bears to the total ingredients; and
- (c) with the word "*poison*" or other *prescribed* indication of the character of the article; and
- (d) with the name of the seller or supplier of the *poison* and the address of the premises on which it was sold or from which it was supplied.

(2) So much of this Rule as requires a *container* of a *poison* to be labelled with the name of the seller or supplier of the *poison* and the address of the premises on which it was sold or from which it was supplied shall not apply to the *container* of a *poison* sold or supplied for the purpose of being sold or supplied again in the same *container*.

(3) So much of this Rule as requires a *container* of a *poison* to be labelled with the address of the premises on which it was sold or from which it was supplied shall not apply to a *container* of a *poison* sold or supplied from a warehouse or depot if the *container* is labelled in the *prescribed* manner with the address of the principal place of business of the seller or supplier or, in the case of a limited company, with the address of the registered office of the company.

(4) This Rule shall not apply to a medicine (or to a *poison* forming part of the ingredients of a medicine) which is lawfully supplied or *dispensed* in the circumstances mentioned in section 19 of the *Act* and in accordance with the provisions of that section.

4. The manner in which the *container* of a *poison* is *required* to be labelled for the purposes of the last preceding Rule, shall be the manner hereunder prescribed, that is to say—

(1) Subject as hereinafter provided, the words with which the *container* of the *poison* is *required* to be labelled (referred to in this Rule as the "*required words*") shall appear in a conspicuous position on the outer surface of the *receptacle* and of each cover of the *receptacle*, other than a transparent cover or a cover used solely as a wrapper for the purpose of delivery:

Provided that where a *poison* which is not included in the First Schedule to these Rules is sold or supplied in the same *container* in which it has been obtained by the seller or supplier, it will be sufficient if the words indicating the name of the seller or supplier and the address of the premises on which it was sold or from which it was supplied appear only on the outer cover of the *receptacle*:

Provided further that where the *receptacle* is an ampoule or similar article it shall be sufficient if the

*required words* appear upon each cover of the ampoule or similar article other than a transparent cover or a cover used as a wrapper as aforesaid.

(2) The word "*Poison*" or other *prescribed* indication of the character of the article shall—

- (a) not be modified in meaning by any other words or indications on the packing or *receptacle*; and
- (b) be either—
  - (i) on a separate label, or
  - (ii) within a surrounding line which shall not contain any words other than the *required words*; and
- (c) in the case of a *poison* included in the First Schedule to these Rules, be marked either—
  - (i) in red on a background in distinct contrast thereto, or
  - (ii) in white, black or any colour (other than red) on a red background.

(3) The *required words* shall be clear, indelible and distinct.

(4) The *required words* shall not be obscured or obliterated and shall be so placed as not to obscure any words or indication appearing on the *container* in pursuance of any other statutory requirement.

(5) Subject as hereinafter provided, the name of the *poison* shall be the term by virtue of which the *poison* is included in the Poisons List:

Provided that—

(a) where the term by virtue of which the *poison* is included in the Poisons List describes a group of substances and not the *poison* specifically, the name of the *poison* shall be the accepted scientific name or name descriptive of the true nature and origin of the *poison*; and

(b) if the *poison* consists of, or is contained in, any preparation of the *British Pharmacopæia*, or the *British Pharmaceutical Codex* or any dilution or admixture of such a preparation the name of the *poison* may for the purposes of this Rule, be the name or synonym or abbreviated name used to describe the preparation in the *British Pharmacopæia*, the *British Pharmaceutical Codex*, with the addition of the letters B.P., or B.P.C., as the case may be.

(6) Where the name of more than one person or firm, or the address of more than set of premises appears on the *container*, the name of the seller or supplier and the address of the premises on which the *poison* is sold or from which it is supplied shall be so marked as to leave no reasonable doubt as to the name of the seller or supplier and the address of the premises on which the *poison* is sold or from which it is supplied.

(7) Where the *prescribed* indication of the character of the article does not include the word "*Poison*" the *container* of a *poison* shall not be labelled with the word "*Poison*", and where the *prescribed* indication does not include the word "*Poisonous*" the *container* shall not be labelled with the word "*Poisonous*."

5. The particulars as to the proportion which the *poison* contained in a preparation, which contains a *poison* as one of the ingredients thereof, bears to the total ingredients of the preparation shall, for the purposes of these Rules, be the particulars hereunder *prescribed*, that is to say—

Subject as hereinafter provided the particulars shall be the proportion, stated as a percentage or otherwise, which the *poison* bears to the total ingredients of the preparation:

Provided that—

(a) Where the proportion is stated as a percentage the *container* shall be so labelled as to indicate whether the percentage is calculated on a basis of weight in weight, weight in volume or volume in volume:

(b) where the *poison* consists of, or is contained in, any preparation to which paragraph (5) (b) of the last preceding Rule applies or any dilu-



tion or admixture of such preparation it will be sufficient if the *container* is labelled in the *prescribed* manner with the name of the preparation and in the case of a dilution or admixture with the proportion which the preparation bears to the total ingredients of the dilution or admixture:

(c) where the *poison* is contained in tablets, pills, cachets, lozenges, or similar articles or ampoules, it will be sufficient if the *container* is labelled to show—

(i) the amount of the *poison*, or in the case of a preparation to which paragraph (5) (b) of the last preceding Rule applies, the amount of such preparation contained in each article; and

(ii) the number of articles in the *container*.

6. For the purposes of these Rules the indication of character of an article with which the *container* of that article is *required* to be labelled shall be, in the case of the articles specified in the Second Schedule to these Rules, the indication of character hereunder *prescribed*, that is to say—

The indication of character of the articles specified in the Second Schedule to these Rules shall be the words respectively assigned to them in that Schedule.

7. Subject to the provisions of this Rule a person shall not sell, whether wholesale or retail, supply or store a *poison* unless

(a) the *poison* is contained in a closed *container* sufficiently stout to prevent leakage from the *container* arising from the ordinary risks of handling and transport; and

(b) where, except in the case of medicines intended for the internal treatment of human ailments and made up ready to be taken, the *poison* is in liquid form and contained in a glass bottle, the outer surface of the bottle is fluted vertically with ribs or grooves which shall render the bottle distinguishable by touch from bottles ordinarily used to contain any *food* or medicine intended for internal use; and

(c) in the case of any *arsenical poison*, cyanides, strychnine and sales of thallium, the *poison* is contained in a *receptacle* made of metal, glass or earthenware impervious to the *poison*.

### PART III

#### PROHIBITIONS AND RESTRICTIONS IN REGARD TO THE SALE OF POISONS

8. (1) Subject as hereinafter provided no person shall sell by wholesale or retail a *poison* included in the First Schedule to these Rules unless—

(a) the person to whom the *poison* is sold is either—

(i) known by the seller, or by some *registered pharmacist* in the employ of the seller, or (where the seller is not an *authorised seller of poisons* and the sale is not effected on premises duly registered under Part I of the Act), by a *registered pharmacist* in the employ of the seller or by the person in charge of the premises on which the *poison* is sold or of the department of a business through which the sale is effected, to be a person to whom a *poison* may properly be sold; or

(ii) certified in writing in the *prescribed* manner and by a person authorised by these Rules to give a certificate for the purpose of this Rule.

(b) an entry is made, in a book to be kept for that purpose, of the particulars and in the form set out in the Fourth Schedule to these Rules; and

(c) the purchaser has affixed his signature to the aforesaid entry.

(2) So much of this Rule as requires an entry in a book to be signed by the purchaser shall not, if the

conditions mentioned in this paragraph are fulfilled, apply.

The conditions to be fulfilled for the purposes of this paragraph are as follows:—

(a) there must have been received by the seller before the sale an order in writing signed by the purchaser stating his name and address, trade, business or profession, the name and quantity of the article to be purchased and, if the purpose for which the *poison* is required by the purchaser is not apparent from the circumstances of the order, the purpose for which the *poison* is required by him;

(b) the seller must be reasonably satisfied that the signature affixed to the order is in fact the signature of the person purporting to sign it and that that person is exercising a trade, business or profession in which the *poison* desired to be purchased is used;

(c) the article sold, if sent by post, must be sent by registered post;

(d) the seller must include in the entry required by paragraph (1) (b) of this Rule in the prescribed form the words "signed order" and a reference number by which the order can be identified.

Provided that where a person represents that he is in urgent need of a *poison* for the purposes of his trade, business or profession the seller may, if he is reasonably satisfied that the person desiring to purchase the *poison* so requires it and is, by reason of some emergency, unable, before delivery either to furnish to the seller an order in writing duly signed or to attend and sign the entry in the book, deliver the *poison* to the purchaser either in exchange for such an order or on an undertaking by the purchaser to furnish such an order within the twenty-four hours next following.

(3) Nothing in this Rule shall apply to the sale of an article by the manufacturer thereof or by a person carrying on a business, in the course of which *poisons* are regularly sold by way of *wholesale dealing*, to a person carrying on a trade or business in the course of which *poisons*—

(a) are regularly sold; or

(b) are used in the manufacture of other articles:

Provided that the seller is reasonably satisfied that the purchaser requires the article for the purpose of his trade or business.

9. A certificate given for the purposes of paragraph (1) (a) (ii) of the last preceding Rule shall be written in the manner hereunder *prescribed*, that is to say—

The certificate shall be written in accordance with the form, and shall contain the particulars, set out in the Third Schedule to these Rules.

10. Persons who are members of the following classes, that is to say—

(a) Police Officers in charge of a police station;

(b) Householders;

are hereby authorised to give a certificate for the purposes of this Part of these Rules:

Provided that where the person giving the certificate is not a police officer in charge of a police station he shall be known to the person from whom the *poison* to which the certificate relates is desired to be purchased as a responsible person of good character.

11. On any sale of a *poison* upon a certificate issued for the purposes of this Part of these Rules, the certificate shall be retained by the seller of the *poison*.

### PART IV

#### RESTRICTIONS IN REGARD TO THE RETAIL SALE OF POISONS

12. Notwithstanding any exemption contained in the provisions of section 20 of the Act no *retail trader*

shall sell on any premises used for the sale of goods to the general public—

(a) any *poison* included in Part I of the Poisons List, unless—

- (i) he is an *authorised seller of poisons*; and
- (ii) the sale is effected on premises duly registered under Part I of the *Act*; and
- (iii) the sale is effected by, or under the supervision of, a *registered pharmacist*:

(b) any *poison* included in Part II of the Poisons List, unless either—

- (i) he is an *authorised seller of poisons* and the sale is effected on premises duly registered under Part I of the *Act*; or
- (ii) he is a *listed seller of poisons* and the sale is effected upon premises on which he is entitled, subject to the provisions of the *Act* and of these Rules, to sell *poisons* included in Part II of the Poisons List.

13. No *retail trader* other than an *authorised seller of poisons* shall sell on any premises used for the sale of goods to the public, any *poison* unless the *poison* is contained in an enclosed or sealed *receptacle* as enclosed or sealed by the manufacturer or other person from whom the *poison* was obtained.

14. (1) No *retail trader* other than an *authorised seller of poisons* shall sell on any premises used for the sale of goods to the public, any substance specified in the Second Part of the First Schedule to these Rules unless—

- (a) he carries on a regular business in agricultural and horticultural accessories; and
- (b) the sale is effected by himself or by a deputy nominated by him for the purpose and notified to the *local authority* concerned in accordance with the provisions of these Rules for the purposes of section 21 of the *Act*.

(2) There shall not be more than two deputies nominated for the purposes of this Rule in respect of one set of premises.

#### PART V

##### STORAGE AND TRANSPORT

15. Every *retail trader* storing *poisons* on any premises used for the sale of goods to the general public shall comply with the following provisions—

Each *poison* included in the First Schedule to these Rules shall be stored either—

- (a) in a cupboard or in a drawer reserved solely, in the case of articles to be used in agriculture or horticulture and consisting of or containing an *arsenical poison* or nicotine, for the storage of such *poisons*, or in the case of all other *poisons* included in the First Schedule to these Rules, for the storage of *poisons*; or
- (b) in a section of the premises
  - (i) to which customers are not permitted to have access; and
  - (ii) partitioned off or otherwise separated from the remainder of the premises; and
  - (iii) in the case of articles to be used in agriculture or horticulture and consisting of or containing an *arsenical poison* or nicotine, in which food is not kept.

Provided that a *poison* included in the First Schedule to these Rules, if it is not an article to be used in agriculture or horticulture and consisting of or containing an *arsenical poison* or nicotine, may be stored on a shelf if—

- (i) the shelf is reserved solely for the storage of *poisons*; and
- (ii) the *poison* is contained in a *receptacle* rendered distinguishable by touch from *containers* in which articles other than *poisons* are stored upon the same premises.

16. (1) Subject to the provisions of this Rule no person shall consign for transport or knowingly transport any *poison* unless the *container* is—

(a) sufficiently stout to prevent leakage from the *container* arising from the ordinary risks of handling and transport; and

(b) labelled conspicuously on the outermost cover with the name and address of the consignor and with either of the words "Poison" or "Poisonous" in clear and distinct characters:

(2) Paragraph (1) (b) of this Rule shall not apply to—

(a) the transport of a *poison* by a wholesale dealer in *poisons* in vehicles used solely for the delivery of his own goods; or

(b) the transport of medicines.

17. No person shall consign any *poison* consisting of or contained in any substance specified in the Fifth Schedule to these Rules for transport by a common carrier or by any ship or boat unless the *container* of the *poison* is labelled conspicuously on the outermost cover with the words "Not to be loaded with Food stuffs or Food empties."

18. No person shall knowingly transport, either upon his own behalf or for others, any *poison* consisting of or contained in any substance specified in the Fifth Schedule to these Rules in any vehicle in which food is being transported.

#### PART VI

##### MISCELLANEOUS

19. Applications made to *local authorities* for a name to be entered in a list kept in pursuance of subsection (1) of section 21 of the *Act* shall be made in the form set out in the Sixth Schedule to these Rules.

20. The list to be kept by *local authorities* in pursuance of subsection (1) of section 21 of the *Act* shall be kept in the form set out in the Seventh Schedule to these Rules.

21. All books, certificates and other documents which are kept, issued or given in pursuance of the requirements or for the purposes of the *Act* or of these Rules shall be—

(a) kept on the premises to which the book relates or on which the transaction, to which the document relates, was effected, as the case may be; and

(b) preserved, in the case of a book for a period of two years from the date on which the last entry is made therein, and in the case of any other document for a period of two years from the date of the transaction to which it relates.

22. In every establishment in which a pharmaceutical preparation containing any *poison* is manufactured for the purpose of the internal treatment of human ailments the preparation shall be manufactured by, or under the supervision of, a member of one of the following classes—

(a) *registered pharmacists*.

(b) Fellows and Associates of the Institute of Chemistry.

(c)

(d)

23. (1) There shall be added to any *arsenical poison*, salts of barium, cyanides, strychnine or its salts sold for the purpose of the destruction of bacteria, fungi, insects, rodents or other vermin, or as weed-killers, a dye of a distinctive colour and soluble in water.

(2) This Rule shall not apply to sheep dips if of a distinctive colour.

#### PART VII

##### PROVISIONS RELATING TO THE EXTENT OF THE APPLICATION OF THE ACT AND OF THESE RULES

24. For the purpose of these Rules the gratuitous supply of a *poison* by way of a sample shall be deemed to be a sale of the *poison*.

25. Such of the provisions of Part II of the *Act* and of the provisions of these Rules as extend to or would,



- but for this Rule, interfere with the sale, supply, storage or transport of mercuric chloride, mercuric iodide or organic compounds of mercury shall not apply to the sale, supply, storage or transport of those *poisons* when present as a dressing on seeds contained in *receptacles* labelled conspicuously with the words "These seeds are dressed with Poison."
26. For the purposes of these Rules the sale of a *poison* shall be deemed not to include the lawful sale of a *poison* by a duly qualified medical practitioner, by a registered dentist or by a registered veterinary surgeon in the exercise of their respective professions.
27. (1) The provisions of subsections (1) (c) and (2) of section 18 of the *Act* are hereby dispensed with and shall not apply.  
 (2) Nothing in this Rule shall be deemed to make lawful the sale of a *poison* otherwise than in accordance with the provisions of these Rules.
28. Nothing in the provisions of Parts III and IV of these Rules shall extend to or interfere with the sale of *poisons* to be exported to purchasers outside the United Kingdom.
29. For the purposes of the First Schedule to these Rules percentages expressing the proportion which a *poison* contained in an article bears to the total ingredients shall be calculated on the basis that a preparation containing one per cent. of any *poison* means, in the case of a solid preparation, a preparation in which one gram of the *poison* is contained in every one hundred grams of the preparation, and, in the case of a liquid preparation, a preparation in which one millilitre of the *poison* if a liquid or one gram of the *poison* if a solid is contained in every one hundred millilitres of the preparation, and so in proportion for any greater or less percentage.

## First Schedule

### Poisons to which special restrictions apply

#### PART I

##### Alkaloids:—

Aconite, alkaloids of, except in articles containing 0.02 per cent. of the alkaloids of aconite  
 Apomorphine, except in articles containing less than 0.2 per cent. of apomorphine  
 Areca, alkaloids of, except in articles containing less than 0.1 per cent. of the alkaloids of areca  
 Atropine, except in articles containing less than 0.1 per cent. of atropine  
 Belladonna, alkaloids of, except in articles containing less than 0.1 per cent. of the alkaloids of belladonna  
 Brucine, except in articles containing less than 0.2 per cent. of brucine  
 Coca, alkaloids of, except in articles containing less than 0.1 per cent. of the alkaloids of coca  
 Cocaine, except in articles containing less than 0.1 per cent. of cocaine  
 Codeine, except in articles containing less than 1 per cent. of codeine  
 Colchicine, except in articles containing less than 0.5 per cent. of colchicine  
 Conine, except in articles containing less than 0.1 per cent. of conine  
 Cotarnine, except in articles containing less than 0.2 per cent. of cotarnine  
 Curarine  
 Diacetylmorphine  
 Ecgonine, except in articles containing less than 0.1 per cent. of ecgonine  
 Emetine, except in articles containing less than 1 per cent. of emetine  
 Ephedra, alkaloids of, except in articles containing less than 50 per cent. of the alkaloids of ephedra  
 Ergot, alkaloids of  
 Gelsemine, except in articles containing less than 0.1 per cent. of gelsemine  
 Gelseminine, except in articles containing less than 0.1 per cent. of gelseminine  
 Homatropine, except in articles containing less than 0.1 per cent. of homatropine  
 Hydrastine, except in articles containing less than 0.2 per cent. of hydrastine  
 Hydrastinine, except in articles containing less than 0.2 per cent. of hydrastinine  
 Hyoscine, except in articles containing less than 0.1 per cent. of hyoscine  
 Hyoscyamine, except in articles containing less than 0.1 per cent. of hyoscyamine  
 Lobelia, alkaloids of, except in articles containing less than 0.1 per cent. of the alkaloids of lobelia  
 Morphine, except in articles containing less than 0.2 per cent. of morphine  
 Narceine, except in articles containing less than 0.2 per cent. of narceine  
 Narcotine, except in articles containing less than 0.2 per cent. of narcotine

Pelletierine, except in articles containing less than 1 per cent. of pelletierine  
 Physostigmine  
 Pilocarpine, except in articles containing less than 0.5 per cent. of pilocarpine  
 Quebracho, alkaloids of  
 Sabadilla, alkaloids of, except in articles containing less than 1 per cent. of the alkaloids of sabadilla  
 Sparteine  
 Stavesacre, alkaloids of, except in articles containing less than 0.2 per cent. of the alkaloids of stavesacre  
 Strychnine, except in articles containing less than 0.2 per cent. of strychnine  
 Veratrum, alkaloids of, except in articles containing less than 1 per cent. of the alkaloids of veratrum  
 Yohimba, alkaloids of

Amino-alcohols, esterified  
 Amino-benzoic acid, esters of; their derivatives; esters of derivatives of amino-benzoic acid; their derivatives  
 Antimony, oxides of; antimonates; antimonites; organic compounds of antimony, except in articles containing less than 1 per cent. of these substances  
 Arsenic, halides of; oxides of arsenic; sulphides of arsenic; arsenates, other than the arsenates included in Part II of this Schedule; arsenites, other than the arsenites included in Part II of this Schedule; organic compounds of arsenic; except in articles containing less than the equivalent of 0.01 per cent. of arsenic trioxide  
 Barium, salts of, except barium sulphate and the salts of barium included in Part II of this Schedule  
 Barbituric acid; its salts; derivatives of barbituric acid; their salts; compounds of barbituric acid, its salts, its derivatives, their salts, with any other substance  
 Cannabis; the resin of cannabis; extracts of cannabis; tinctures of cannabis; cannabin tannate  
 Cantharidin, except in articles containing less than 0.01 per cent. of cantharidin  
 Digitalis, glycosides of, except in articles containing less than one unit of activity (as defined in the British Pharmacopoeia) in two grams of the article  
 Emetine bismuth iodide, except in articles containing less than 3 per cent. of emetine bismuth iodide  
 Ergot; extracts of ergot; tinctures of ergot  
 Guanidine; derivatives of guanidine  
 Hydrocyanic acid, except in articles containing less than 0.1 per cent. of hydrocyanic acid (HCN); cyanides, except in articles containing less than the equivalent of 0.1 per cent. of hydrocyanic acid (HCN)  
 Lead acetates; compounds of lead with fatty acids  
 Mercuric chloride, except in articles containing less than 1 per cent. of mercuric chloride; nitrates of mercury, except in articles containing less than 5 per cent. of nitrates of mercury; potassio-mercuric iodide, except in articles containing less than 1 per cent. of potassio-mercuric iodide; organic compounds of mercury

Opium, except in articles containing less than 0.2 per cent. of morphine  
 Ouabaine  
 Oxycinchoninic acid, derivatives of; their salts; their esters  
 Oxyquinoline; its salts; derivatives of oxyquinoline; their salts  
 Phenetidylphenacetin  
 Phenylcinchoninic acid; its salts; its esters; derivatives of phenylcinchoninic acid; their salts; their esters  
 Picrotoxin  
 Savin, oil of  
 Strophanthus, glycosides of  
 Thallium, salts of  
 Tribromethyl alcohol  
 Zinc chloride, except as included in Part II of the Poisons List and in articles containing less than 1 per cent. of

zinc chloride; zinc ammonium chloride, except as included in Part II of the Poisons List and in articles containing less than 1 per cent. of zinc ammonium chloride; zinc phosphide

## PART II

Arsenates, the following:—

Calcium arsenate  
 Lead arsenate

Arsenites, the following:—

Copper aceto-arsenite

Barium, salts of, the following:—

Barium carbonate in articles for the destruction of rats or mice  
 Barium silico fluoride

Nicotine

## Second Schedule

Articles required to be labelled with a prescribed indication of character and the indication of character prescribed

Article	Prescribed indication of character	Article	Prescribed indication of character
Articles included in Part I of the Poisons List other than articles for use internally in the treatment of human ailments.	Poison. Not to be taken.	Pituitary gland, the active principles of; their salts. Suprarenal gland, the active principles of; their salts. Insulin.	Caution. Not to be taken except in accordance with medical advice.
Articles included in Part II of the Poisons List other than articles for use internally in the treatment of human ailments.	Poisonous. Not to be taken.	Thyroid gland, the active principles of; their salts.	Poison. Not to be taken except in accordance with medical advice.
Articles included in Part I of the Poisons List for use in the treatment of animals.	Poison. For veterinary purposes only.	Tetrachlorethane. Trichlorethylene	Poisonous. Warning. The vapour of this substance is dangerous if inhaled, especially in confined spaces.
Articles included in Part II of the Poisons List for use in the treatment of animals.	Poisonous. For veterinary purposes only.		

## Third Schedule

### PHARMACY AND POISONS ACT, 1933

#### Certificate for the purchase of a Poison

For the purposes of subsection 2(a)(1) of section 18 of the Pharmacy and Poisons Act, 1933, or of any Rules made under that Act, I the undersigned

\* (i) an officer in charge of (a).....  
 Police Station.

\* (ii) a householder occupying (b).....  
 hereby certify that from my knowledge of (c).....  
 .....of (b).....  
 who is by trade, business or occupation a (d).....

I am satisfied that he is a person to whom a poison may properly be supplied.

I further certify that (e).....  
 is the signature of the said (c).....

Office Stamp of Police Station where the person giving the certificate is an officer in charge of a police station.

Signature of person giving certificate:—  
 Rank or Description:—  
 Date of Certificate:—

\* Delete whichever inappropriate.

(a) Insert name of police station.

(b) Insert full postal address.

(c) Insert full name of intending purchaser.

(d) Insert trade, business or occupation of intending purchaser.

(e) Intending purchaser to sign his name here.

## Fourth Schedule

Form of entry to be made in the book to be kept by sellers of poisons

Date of sale	Name and Quantity of poison supplied	Name	Purchaser's address	Business, trade or occupation	Purpose for which required	Reference number and date of certificate (if any)	Name and address of person giving certificate (if any)	Signature of purchaser, or where a signed order is permitted by the Poisons Rules, the reference number and date of the signed order



## Fifth Schedule

Substances not to be transported in the same vehicle as food

Substances, other than medicines containing :—

Arsenical poisons.  
Barium, salts of.  
Hydrocyanic acid; cyanides.  
Nicotine.  
Strychnine.  
Thallium, salts of.

## Sixth Schedule

Form of application to be made to the local authority by a person desiring his name to be entered on the list kept by local authorities in pursuance of Section 21 of the Act

PHARMACY AND POISONS ACT, 1933

Form of application by a person to have his name entered on the local authority's list of persons entitled to sell poisons included in Part II. of the Poisons List.

To the Clerk to the Council of.....

I.....  
being a (a).....  
hereby apply to have my name entered in the list kept in pursuance of section 21 of the above Act in respect of the following premises, namely,.....

as a person entitled to sell from those premises the following poisons included in Part II. of the Poisons List, namely, .....

I hereby nominate.....  
.....in respect of..... as deputy (deputies) for the purpose of Rule 14 of the Poisons Rules.

(b) I declare that I carry on at.....  
a regular business in agricultural and horticultural accessories.

Signature of applicant.

(a) Here insert trade or business.

(b) To be deleted unless the applicant desires to sell substances in Part II the First Schedule to the Poisons Rules.

## Seventh Schedule

Form of the list to be kept by local authorities in pursuance of section 21 of the Act

PHARMACY AND POISONS ACT, 1933

List of persons entitled to sell Poisons in Part II of the Poisons List

Full name	Address of premises	Description of business carried on at the premises	Whether entitled to sell Part II poisons in First Schedule to Poisons Rules	Name of deputy (or deputies) permitted to sell

## Pharmacy for the Pharmacist

We are continually reading correspondence with reference to this subject. I am loth to open the matter again, for I doubt very much if we have any members who can truthfully say they are living up to the so-called ideals of pharmacy and acquiring a professional status—which we shall never have, for the trouble lies in our own ranks. I was very interested in a report published in the local Press of the annual dinner of a neighbouring branch of the Pharmaceutical Society. Two prominent chemists spoke bemoaning the trade which the chemist is losing to the grocer, etc., and they did not seem to know why. A few yards away from my premises I have a grocer selling camphorated oil, syrup of figs, ointments, teats, soothers, and so forth; a newsagent retailing medicated lozenges, aspirin and ointments, and running a cut-price D. and P. service; and now a greengrocer has started on the same lines.

I am fully aware that certain firms cater especially for these grocery concerns, with chemists' lines—this is, up to a point, out of our control; but the bulk of the supplies come from chemists themselves, and I can prove it. I spent a considerable time in a fairly large good-class retail business, with wholesale attached. We had two travellers calling on grocers and stores over the best

part of one county. In the same town were three large wholesale grocers and hardware merchants who ran big accounts for the benefit of their retail customers. Not only did we pack and supply the everyday necessities such as iodine, syrup of figs, etc., but 'flu mixture, cough mixtures and tonics were packed especially for these "competitors." I do not uphold the principle of multiple pharmacy, but multiple chemists can control the sale of "own lines."

If it were made illegal for patents and packed drugs to be retailed otherwise than from the pharmacy, we should still find these things being sold by chemists to other trades. The trouble with pharmacy is that the individuals who complain most are actually feeding other trades with our goods. Why cannot we get together, clean up our ranks and aim at a restriction of trade? Surely there are enough chemists in business to amalgamate into one strong body whose weight and voice would carry some influence. If this is impossible—and at the same dinner some mention was made of advertising pharmacy—we had better join forces with our competitors (the grocers, etc.) and advertise them as well.—M. P. S. (7/2).

# Pharmaceutical Society of Great Britain

## Edinburgh Examination Results

### PHARMACEUTICAL CHEMIST QUALIFYING EXAMINATION

The following have satisfied the examiners in the Pharmaceutical Chemist Qualifying Examination:—

Carr, R. W., Wingate  
Crawford, Mary N., Oxford  
Greig, E. I., Mauchline  
Morton, J., Port Glasgow  
Muir, Catherine D. R.,  
Muthill

### CHEMIST AND DRUGGIST QUALIFYING EXAMINATION

	No.	PRELIMINARY SCIENTIFIC EXAMINATION				CHEMIST AND DRUGGIST QUALIFYING EXAMINATION			
		Absent	Failed	Referred	Passed	Absent	Failed	Referred	Passed
Entered for Prelim. Sc. exam. ....	325	5	138	69	113	—	—	—	—
Referred subject in Prelim. Sc. exam. ....	41	—	—	11	30	—	—	—	—
Entered for C. and D. exam. ....	194	—	—	—	—	5	19	36	134
Referred subject in C. and D. exam. ....	16	—	—	—	—	1	—	4	11
	576	5	138	80	143	6	19	40	145

Candidates have been referred as follows:—Botany, 25; chemistry, 41; physics, 14; pharmacognosy, 6; pharmacy, 24; pharmaceutical chemistry, 9; forensic pharmacy, 1.

Candidates have failed.—Botany, 118; chemistry, 131; physics, 124; pharmacognosy, 10; pharmacy, 16; pharmaceutical chemistry, 15; forensic pharmacy, 3.

The following candidates, having satisfied the examiners in the Chemist and Druggist Qualifying examination, have been registered as chemists and druggists:—

Anderson, W., Port Glasgow  
Arundel, Leslie, Leeds  
Bailey, W. M. Z., Wallasey  
Bainbridge, G. H., Penrith  
Barff, E. R., Stockton-on-Tees  
Barr, A. A. A., Dunoon  
Bell, Katharine, Carlisle  
Beresford, Russell, Wigan  
Billington, Joseph, Widnes  
Birdsall, Thomas, Preston  
Black, J. M., Edinburgh  
Blake, W. J., Edinburgh  
Booth, R. W. F., Inverurie  
Brandon, Margaret H., Glasgow  
Broadbent, J. M., Liverpool  
Brower, Charles, Newcastle  
Brown, J. L., Dundee  
Brown, R. C., Newcastle-on-Tyne  
Brownlee, G. W., Old Cumnock  
Burgess, Cecilia, Scalloway  
Cantor, Harry, Leeds  
Cargill, G. A., Arbroath  
Carrie, B. G., Dundee  
Clayton, F. H., Thirsk  
Clitherow, A. R., Liverpool  
Coates, T., New Silksworth  
Collins, C. J., Portobello  
Colston, J. A., Rutherglen  
Cormode, E. L., Douglas, I.O.M.  
Cow, J. W., Fraserburgh  
Craggs, George, Chester

Davidson, J. O., Barnhill, by Dundee  
Dawson, John, Crook  
Dilks, R. R., Barrow-in-Furness  
Drust, J. T. W., Middlesbrough  
Duncan, R. H., Udney Station  
Eccles, James, New Longton, nr. Preston  
Edmonds, A. McD., Edinburgh  
Edwards, Tegid, Towyn  
Edwards, T. C., Rhos  
Fairweather, W., Montrose  
Fraser, D. R., Dundee  
Fraser, John, Crieff  
Fraser, S. J. G., Arbroath  
Fyffe, R. H., Kirriemuir  
Geddes, Leonard, Banff  
Gibson, J. F., Barrow-in-Furness  
Gilbert, W. J., Millom  
Glen, F. A., Pudsey  
Goldstraw, D., Chester-le-Street  
Grant, A. M., Culter  
Gray, J. N. D., Bannockburn  
Gray, W. G., Kemnay  
Greig, Anne D., Wick  
Hamilton, D. B., Edinburgh  
Hanlon, A., South Bank, Yorks  
Harrison, S., West Hartlepool

Haw, C. R., Leeds  
Henderson, G. D., Glasgow  
Heyworth, W. R., Harrogate  
Hinshelwood, Florence, Glasgow  
Hobson, Rita, Manchester  
Holmes, W. S., Huddersfield  
Hothersall, Greta, Burnley  
Houghton, Eric, Morecambe  
Hutton, Marjorie M., Consett  
Jack, J. F., Forfar  
Johnston, D. L., Methil  
Johnston, H. D., Glasgow  
Jones, Dorothy E., Rhyl  
Jones, J. E., Bethesda, Bangor  
Jones, J. O., Morfa Nevin  
Jones, R. G., Morfa Nevin  
Jones, T. A., Denbigh  
Jowett, E., Cullingworth, Bradford  
Keely, Laurence, Leeds  
Kemp, Margaret, Tayport  
Kerr, J. D., Ayr  
King, J. L., Colinton, Midlothian  
King, R. W., Sanday, Orkney  
King, W. G., Brechin  
Knowles, Margaret, Horwich  
Lamont, M. MacI., Clydebank  
Lloyd, Arthur, Bolton  
Lowry, Bernard, Manchester  
Luke, W. C., Kirkcaldy  
McArdle, C., Easington Lane  
McGillivray, G. H., Newton Road, Elgin  
Macintosh, A., West Hartlepool  
McIntosh, D. McL., Elgin  
McIntosh, E. McW., Peterhead  
McKay, Hugh, Carnlough  
McKerlie, J. W., Edinburgh  
MacLucas, Katherine, A. L., Edinburgh  
MacPherson, D. A. W., Wormit  
Maltman, D. G. W., Dunfermline  
Marks, Grace L., Sunderland  
May, A. B., Inverallochy  
Meikle, J. S., Ayr  
Mellor, Eric, Huddersfield  
Milligan, G. J., Annan  
Milne, Christina R., Dunfermline  
Milroy, J. P., Kirkcudbright  
Mitchell, Frank, Leeds  
Moncur, A. W., Edinburgh  
Morrison, J. R., Aberdeen  
Murdoch, Frank, Galashiels  
Murgatroyd, Doreen, Sunderland  
Needham, John, Manchester  
Oates, T. W. L., Douglas  
Parker, A. L., Port Glasgow  
Partington, H., Bolton  
Patterson, E. G., Liverpool  
Porter, W. J., Banff  
Pringle, J. S., South Shields  
Proffitt, Basil, Bolton  
Ranson, W. J. F., Darlington  
Riddle, J. R., Hexham  
Shepley, Ethel B., Horwich  
Shippey, Marie, Middlesbrough  
Smail, Christina, Perth  
Smith, A. J., Selkirk  
Smith, E. J., Macduff  
Smith, Eleanor M., Skegness  
Softly, Marjorie, Seaham Harbour  
Stocker, Edgar, Liverpool  
Stocks, John, Lytham  
Strangeways, Eliz. M., Morecambe  
Sutherland, C. B., Dundee  
Sutherland, Mary L., Leith  
Swarbrick, J. E., Preston  
Thomson, J. McC., Dumfries  
Thomson, Peter, Paisley  
Trodden, R. F., Liverpool  
Tully, J. S. S., Edinburgh  
Webster, J. F., Dundee  
White, H., Barnborough, Doncaster  
Whitehead, A. H., Leeds  
Whyte, James, Edinburgh  
Wight, C. McM., Glasgow  
Wilson, P. H., St. Abbs  
Wilson, Rachel E., Cupar  
Worby, Sydney, Bradford  
Yeaman, J. A., Dundee  
Young, Robert, Edinburgh

SIR ISAAC PITMAN & SONS, LTD., the well-known publishers, have become a public company.

VACCINATION AGAINST SMALLPOX.—In summarising their conclusions in a monograph in "The Journal of the American Medical Association" (102, 24, 1998) on the duration of immunity following vaccination against smallpox, Drs. Dearing and Rosenau write: "It is welcome news that immunity conferred by a single vaccination usually lasts longer than the traditional seven to ten years, and that the benefits conferred extend for twenty years or more in most individuals. Revaccination reinforces protection and . . . is usually a mild experience. Certainly nothing in these facts should alter the procedure of always vaccinating when exposed or in danger of exposure to smallpox."



# Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values.

## 28 Essex Street, W.C.2, August 9

THE usual quiet holiday tone is reported in most markets, with business restricted and routine in character. The general tone is quite steady, with values steadily maintained. In the pharmaceutical chemicals markets a further sharp recovery in SANTONIN is recorded. BARBITONE is firm at full Convention prices, and, in consequence of the better tone and higher sales prices the makers of SODIUM DILITHYLBARBITURATE have had to advance the scale of values. In crude drugs BUCHU is fully steady, with active business passing. CASCARA continues in good demand. CHAMOMILES are dearer. COD-LIVER OIL remains quiet and steady. DERRIS ROOT is very firm. A fair volume of business is reported in GUM ACACIA. IPECACUANHA is reported difficult to obtain on spot. QUILLARIA BARK is scarce on spot. SENEGA is fully steady. TRAGACANTH continues firmer. In essential oils ANISE is fully steady. Ceylon CITRONELLA is firmer for shipment. LAVENDER remains firm. More business is passing in LEMON. In fixed oils the tone is fairly steady. Acid oils and GROUNDNUT a little dearer. PALM KERNEL is a point easier. LINSEED shows a slight reduction. TURPENTINE on spot has recovered slightly. In coal-tar products the general tone is fairly satisfactory. Prices in industrial chemicals show practically no change this week, and the general tone of the markets is steady. FORMIC ACID and OXALIC ACID show some activity. FORMALDEHYDE is moving well.

## Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	August 9	Value of the £
Amsterdam ...	Fl. to £	12·107	7·44	12/3½
Berlin ...	Mks. to £	20·43	12·89	13/5½
Brussels ...	Belgas to £	35	21·44	12/3½
Copenhagen ...	Kr. to £	18·259	22·39½	24/8
Lisbon ...	Esc. to £	110	109½	19/11
Madrid ...	Ptas. to £	25·22½	36½	29/1½
Milan ...	Lire to £	92·46	58½	12/8½
Montreal ...	Dol. to £	4·86½	4·95½	20/5½
New York ...	Dol. to £	nominal	5·05½	20/10½
Oslo ...	Kr. to £	18·159	19·90½	21/11
Paris ...	Fr. to £	124·21	76½	12/8½
Prague ...	Kr. to £	164·25	121½	13/8
Stockholm ...	Kr. to £	18·159	19·40	21/4½
Warsaw ...	Zloty to £	43·38	26½	12/4½
Zurich ...	Fr. to £	25·2215	15·43	12/4½

Bank rate 2 per cent.

## Pharmaceutical Chemicals, etc.

WITH the holiday season in full swing business has been rather restricted. A further advance in santonin is noted. Barbitone is firm to come forward from the Continent; supplies on spot appear to be very limited and well held. British makers of sodium diethylbarbiturate have had to advance their prices.

ACETANILID.—Only occasional inquiry; market steady; B.P. crystals and powder, 1s. 5½d. to 1s. 8d. per lb., as to quantity.

AMIDOL.—Seasonal business is about average; values steady; 56 lb., 7s. 3d.; 28 lb., 7s. 6d.; 14 lb., 7s. 11d. per lb., in 7-lb. tins. Wholesale distributors' prices for smaller quantities would be dearer.

AMMONIUM ICHTHOSULPHONATE.—Very steady; some inquiry; one cwt., 1s. 6½d., in 14-lb. tins; 1s. 8d., in 1-lb. tins; 1s. 11d., in 8-oz. tins; and 2s. 1d. per lb., in 4-oz. tins.

AMIDOPYRIN.—The market is rather dull with some cheap offers noted: crystals, five cwt., 18s. 9d.; two cwt., 19s. 1½d.; less than two cwt., 19s. 6d. per lb.; with powder, 2½d. per lb. extra.

ASPIRIN.—Market steady; business about average: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 4 lb., 3s. 2d.; 1 lb., 3s. 4d. per lb. Bulk packing free, net, carriage paid. Contracts: Over twelve months, minimum, one ton; over six months, less than one ton.

ASPIRIN (TABLETS).—Tablet makers' scale of wholesale prices, as follows:—Under 5,000 tablets, 3s. per 1,000; 5,000, 2s. 11d.; 10,000, 2s. 10d.; 25,000, 2s. 9d.; 50,000, 2s. 8d.; 75,000, 2s. 7d.; 100,000, 2s. 6d.; 250,000, 2s. 5d.; 500,000, 2s. 4d.; 1,000,000, 2s. 3d.; over 1,000,000, 2s. 2d. per thousand tablets. For over one million a rebate of 1d. per 1,000 on 10 million tablets over 12 months. Wholesale distributors' prices for smaller quantities would be dearer.

BARBITONE.—The volume of supplies available on spot appears to be negligible and quoted at full prices. Quotations from the Continent continue firm at the Convention scale. British makers of sodium barbitone have advanced their sales prices this week.

BENZOIC ACID (B.P.).—Quite a fair business; market steady: quantities, ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 2s. 2d. per lb., ex store, as to quantity.

BISMUTH SALTS.—Makers' scales of prices for these salts unchanged at former rates. Carbonate, one cwt., 6s. 10d.; less than 8 lb., 8s. 10d. per lb.

BROMIDES.—Rather quiet, with agreed prices maintained: ammonium, not less than five cwt., 1s. 9d.; one cwt., 1s. 10d.; 28 lb., 2s. 10d.; smaller quantities, 2s. 5d. per lb.; potassium B.P. crystals and granular, not less than five cwt., 1s. 6d.; one cwt., 1s. 7d.; 28 lb., 1s. 10d.; smaller quantities, 2s. 2d. per lb.; sodium B.P., not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s.; smaller quantities, 2s. 4d. per lb., without engagement. Special prices for larger quantities.

BUTYL CHLORAL HYDRATE.—Market is quiet but steady: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—British-made material is quoted as follows: one cwt., 7s. 6d.; 56 lb., 7s. 9d.; smaller quantities, 8s. Citrate, one cwt., 4s. 6d.; 56 lb., 4s. 9d.; smaller quantities, 5s. per lb. Dealers' prices for Continental material to come forward are unchanged, as follows: 250 lb., 6s. 6½d.; 100 lb., 6s. 8½d.; 50 lb., 6s. 11d.; less than 50 lb., 7s. 1d. per lb. Citrate, 250 lb., 5s. 5d.; 100 lb., 5s. 5½d.; 50 lb., 5s. 7d.; less than 50 lb., 5s. 8½d. per lb., net, carriage paid on minimum 50-lb. lots. Packages from 5 lb. and upwards free.

CITRIC ACID (B.P. CRYSTALS).—Business continues at a fair scale. British material quoted at 9d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers offering foreign material at keen prices.

COCAINE.—Makers' prices for home trade are steady: hydrochloride, 25 oz., 25s.; 16 oz., 25s. 10d.; and less, 26s. 8d. per oz.; pure, 25 oz., 27s. 4d.; 16 oz., 28s. 2d.; less than 16 oz., 29s. per oz.; 1-oz. tins, 2½d. per oz. extra. Export prices vary as to destination.

CREAM OF TARTAR.—Business continues on a fair scale, British makers quoting 99 to 100 per cent. material at 8s. per cwt., less 2½ per cent. discount, nominal and without engagement. Dealers are quoting foreign material at about level figures.

CREOSOTE (B.P.).—Bulk quantities in 25-kilo. demijohns, 1s. 8½d. to 1s. 9d.; smaller quantities, 1s. 10½d. to 2s. 2d. per lb.

FERRI QUININE CITRATE.—Makers' prices are as follows:—

Packing	100 oz. Per oz.	Less than 100 oz. Per oz.	Packing	100 oz. Per oz.	Less than 100 oz. Per oz.
100-oz. tins...	10½d.	—	8- & 4-oz. bottles	11½d.	11¾d.
25-oz. tins...	10½d.	11d.	1-oz. bottles ...	1/0½	1/1
16-oz. bottles	11d.	11½d.	½-oz. bottles ...	1/3½	1/4

Special prices for larger quantities.

GUAIACOL CARBONATE.—A small business on a keen market. Convention figures are: two cwt., 9s. 10½d.; one cwt., 10s. 0½d.; less than one cwt., 10s. 2½d. per lb.

**HEXAMINE.**—British material meets with a fair business; some imported material on the market: free-running crystals, five cwt., 1s. 8d.; two cwt., 1s. 8½d.; one cwt., 1s. 9d.; 14 lb., 1s. 11d.; smaller parcels, up to 2s. per lb.; powder, 1s. 5d. per lb. for cwt. lots and less for bulk quantities.

**HYDROQUINONE.**—Inquiry continues on a good scale at the former figures for one delivery and for contracts.

**IODIDES.**—Market has been quiet; makers' prices for these salts are about unchanged.

**LACTIC ACID (B.P.).**—Fair business, with keen prices quoted for bulk quantities: quantities in carboys, 1s. 4½d. to 1s. 5½d.; in winchesters and bottles, 1s. 6d. to 1s. 10d. per lb., as to quantity.

**MERCURIALS.**—Makers' prices for these salts are so far unchanged. Market is firm.

**METHYL SALICYLATE (B.P.).**—A limited inquiry, with makers' quoted prices about steady: ten cwt., 1s. 5d.; five cwt., 1s. 5½d.; one cwt., 1s. 6d.; less than one cwt., 1s. 7d.; small quantities in bottles, up to 2s. per lb.

**METHYL SULPHONAL.**—Dealers are doing occasional business at steady sterling prices: two cwt., 17s. 6d.; one cwt., 17s. 11d.; 56 lb., 18s. 4d.; small parcels, 19s. 3d. per lb.

**METOL.**—A limited inquiry with the market quite steady: 28 lb., 9s. 6d.; 14 lb., 9s. 9d. per lb., carriage paid. Wholesale distributors' prices for smaller quantities would be dearer.

**PHENACETIN.**—Business has been slow and of little importance. There are still some cheap sellers of good quantities.

**PHENOLPHTHALEIN.**—British material is being quoted at former figures: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

**PHENYL ETHYL BARBITURIC.**—Business has been quieter, with prices holding at about 28s. 6d. to 30s. per lb., in 2-lb. bottles.

**PYROGALLIC ACID.**—The demand for limited quantities continues; market steady: 56 lb., 7s. 9d.; 28 lb., 8s.; 14 lb., 8s. 6d.; 7 lb., 9s. 3d. per lb., in 7-lb. tins. Wholesale distributors' prices for smaller quantities would be dearer.

**QUININE SALTS.**—Sulphate, 2s.; bisulphate, 2s.; ethyl carbonate, 2s. 7½d.; salicylate, 2s. 8d.; phosphate, 3s. 1d.; hydrochloride, 2s. 6½d.; bihydrochloride, 2s. 9½d.; hydrobromide, 2s. 6½d.; bihydrobromide, 2s. 9½d.; valerianate, 3s. 5½d.; hypophosphite, 3s. 8½d.; alkaloid, 2s. 9½d. per oz., carriage paid on bulk quantities.

**RESORCIN.**—Prices for British material are steady: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., 6s. per lb.

**SALICYLIC ACID (B.P.).**—Market is steady, with some inquiry: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 11d.; 4 lb., 2s. 1d. per lb.

**SALOL.**—Market is dull: spot, crystals, two cwt., 3s. 10d.; one cwt., 3s. 11½d.; 56 lb., 4s.; smaller parcels, up to 4s. 3d. per lb.; powder, 2d. per lb. extra.

**SANTONIN.**—Following the sharp recovery in value of the past two weeks a further advance is recorded and the position continues very steady. The amount of second-hand material available appears to be very limited. Quotations are now in the region of £13 10s. to £14 per kilo.

**SODIUM DIETHYLBARBITURATE.**—British makers' scale of prices have been advanced as follows: one cwt., 14s. 6d.; 28 lb., 15s.; 14 lb., 15s. 3d.; 7 lb., 15s. 6d.; 1 lb., 16s. 6d. per lb. Wholesale distributors' prices for smaller quantities would be dearer.

**SODIUM SALICYLATE (B.P.).**—The scale of prices is steady: some inquiry: home trade, powder or crystals, five cwt., 1s. 8½d.; one cwt., 1s. 9d.; 28 lb., 2s.; 14 lb., 2s. 2d.; 7 lb., 2s. 3d.; 1 lb., 2s. 6d. per lb.

**SULPHONAL.**—Dealers' sterling prices are steady: crystals or powder, two cwt., 14s.; one cwt., 14s. 5d.; 56 lb., 14s. 7d.; smaller parcels, up to 15s. per lb.

**TARTARIC ACID (B.P. CRYSTALS).**—Business continues on a good scale. British material quoted at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are offering foreign material at keen prices.

**THYMOL.**—The new Convention prices for British and foreign are as follows: synthetic, fine white, two cwt., 5s. 7d.; one cwt., 5s. 9d.; 56 lb., 5s. 11½d.; 28 lb., 6s. 3½d.; less, 7s. per lb.; ex ajowan seed, one cwt., 8s. 3d.; 56 lb., 8s. 6d.; 28 lb., 9s.; 14 lb., 10s. per lb.

**VANILLIN.**—The market is steadier at the revised scale published last week: ex guaiacol or clove oil, five cwt., 13s. 3d.; one cwt., 13s. 6d.; 56 lb., 13s. 9d.; less, 14s. per lb.

## Crude Drugs, etc.

**AGAR.**—Shipment market remains quiet, with prices fully maintained: spot, Kobe No. 1, 1s. 11d.; No. 2, 1s. 9½d.; Yokohama No. 1, 1s. 10d. per lb.; shipment, Kobe No. 1, 1s. 9d.; No. 2, 1s. 7½d.; Yokohama No. 1, 1s. 7½d. per lb., c.i.f.

**ALKANET ROOT.**—New arrivals to hand at about 50s. per cwt., ex wharf.

**ANTIMONY.**—The market is quiet. Chinese crude, spot, £24; shipment, £20 10s., c.i.f.

**BALSAMS.**—The market for *Tolu* is quiet at about 2s.; *Canada* is quoted at about 2s. 1d.; *Capivi*, about 1s. 4d. per lb., spot.

**BELLADONNA ROOT.**—New arrivals show good quality root quoted at about 60s. per cwt.

**BUCHU.**—Market is fully steady, with an active business passing. Spot supplies are getting into small compass, and holders are not too anxious to realise. Good green round leaves are fetching from 1s. 3d. to 1s. 4d. per lb.

**CAMPHOR.**—This market remains quiet and unchanged: spot, slabs, 2s. 0½d.; flowers, 2s. 1d.; tablets, 2s. 4½d. per lb.; shipment, slabs, 1s. 9½d.; flowers, 1s. 9½d.; tablets, 2s. 1d. per lb., c.i.f. English refined is still unchanged: flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz., and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ¾ oz. and 1 oz., 3s. 6d. per lb.; special prices for contracts for quantities.

**CASCARA SAGRADA.**—Continues in good demand, and in view of conditions in the United States, shippers are not anxious sellers. For August-September shipment, 36s. per cwt., c.i.f., is wanted for new season's peel. The spot market remains unchanged, and one-year-old peel is available at from 43s. to 46s. per cwt., as to seller.

**CHAMOMILES.**—Prices are considerably dearer on the week and confirmation of orders is difficult to obtain. Nominal price about 235s. per cwt.

**CLOVES.**—Business has been rather quiet, with values steadily maintained: Zanzibar, spot, 5½d.; shipment, October-December, 5½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended August 4 were *nil* and the deliveries 201, leaving a stock of 4,036. From January 1 to date landings of Zanzibar have been 3,762 and the deliveries 2,245. Landings of Madagascar for the week ended August 4 were *nil*, and the deliveries 11, leaving a stock of 756. From January 1 to date, landings of Madagascar have been 296 and the deliveries 522 packages.

**COCOA BUTTER.**—Prime English is quoted at about 8½d. to 9d. per lb., as to quantity.

**COD-LIVER OIL.**—The market remains rather quiet, and prices are fully steady. Finest Norwegian non-freezing steam-refined medicinal oil for shipment is quoted at from 88s. to 90s. per barrel, c.i.f., London. Spot, in small lots, about 132s. per barrel, ex store. Newfoundland, finest non-freezing medicinal oil, 132s. 6d. per barrel, ex store. British, finest non-freezing medicinal oil, 125s. per barrel, c.i.f., London, duty free.

**COCONUT (DESICCATED).**—This market continues steady: spot, fine, 14s. 6d.; mediums, 14s. 6d.; shipment, halves, August-September, 13s. 9d. per cwt., c.i.f.

**DERRIS ROOT.**—Remains very firm at about 1s. per lb., spot.

**DIGITALIS LEAVES.**—New crop is expected in September. Prices quoted at about 85s. per cwt., c.i.f.

**GELATIN.**—There is a steady demand, with prices unchanged. German, gold leaf, 2s. 4d.; silver leaf, 2s. 2d.; bronze leaf, 1s. 10d.; plain leaf, 1s. 8½d. per lb. French, gold leaf, 1s. 10d.; silver leaf, 1s. 8d.; bronze leaf, 1s. 6½d. per lb., in cwt. cases. British, No. 1, 80s.; No. 2, 70s. per cwt., in bags, carriage paid, less 2½ per cent. discount.

**GUM ACACIA.**—This is a very firm market, and a fair volume of business is reported. Kordofan cleaned sorts is slightly dearer at 37s. 6d. per cwt., c.i.f., for August-September shipment. Spot, 38s. per cwt. Bleached is fully steady at from 70s. to 75s. per cwt., according to quality.

**IPCACUANHA.**—Continues very firm, with spot supplies difficult to obtain. For genuine Matto Grosso, holders want from 4s. 6d. to 4s. 9d. per lb., whilst the parcels that are now afloat for this market are also being firmly held.

**LOBELIA HERB.**—This market continues very firm, with an absence of first-hand offers for shipment. There is a possibility of business at about 1s. 3d. per lb., c.i.f., whilst spot is in the neighbourhood of 1s. 6d. to 1s. 7d. per lb.

**MENTHOL.**—Market quiet, though fully steady: K/S brands, spot, 10s. 5d.; in bond, 9s. 6d.; shipment, July-August, 9s. 6d.; October-December, 9s. 5d. per lb., c.i.f. Prices from Japan remain steady at from 10s. to 10s. 1½d.

**PEPPER.**—Values are about level on the week, with business on the quiet side: Lampong, spot, 5½d.; shipment, August-October, 4½d.; October-December, 4½d. per lb., c.i.f. Telli-cherry, spot, 5½d. Aleppy, spot, 5d. per lb. White Muntok, spot, 9½d.; shipment, August-October, 8½d.; October-December, 9½d.



**PIMENTO.**—Market has been dull, with values quoted unchanged: spot, 3d. per lb.; shipment, August-September, 23s. per cwt., c.i.f.

**QUILLAIA BARK.**—Still scarce, and spot or near-at-hand parcels held very firmly.

**SEEDS.**—**ANISE.**—Spot, Spanish, 57s. 6d., duty paid; no Bulgarian to be had on spot. **CARAWAY.**—Market lower, Dutch on spot offering at 33s., duty paid. **CORIANDE.**—Business reported at 15s. 6d. per cwt., spot, duty paid; for shipment, 11s. 6d., c.i.f., quoted August-September shipment. **CUMIN.**—No Morocco on spot; shipment, quoted at 42s. 6d., c.i.f.; Malta, on spot, 55s. to 57s. 6d. **FENUGREEK.**—Morocco, 12s. 6d., duty paid; shipment, 10s., c.i.f. **MUSTARD.**—English, 21s. to 28s. 6d., according to quality.

**SENEGA.**—Is fully steady, and consumers are now taking more interest in the position. For shipment the value is 1s. 1½d. to 1s. 2d. per lb., c.i.f., whilst spot is available at from 1s. 4d. to 1s. 4½d. per lb.

**SENNA.**—Apart from the continued inquiry for finest-quality hand-picked Alexandrian pods, there is little to report. Business in Tinnevely has been small, but prices remain unchanged at former rates.

**SHELLAC.**—Business has been fair and the market is steady: spot, standard TN orange, 96s. 6d. to 101s. 6d.; fine orange, 125s. to 150s.; pure button, 125s. per cwt. For delivery, TN, August, 99s.; October, 100s.; for arrival, TN, August-September, 96s. per cwt., c.i.f.

**SQUILL.**—New crop white now about due to arrive at about 25s. per cwt., c.i.f.

**STRAMONIUM LEAVES.**—New crop now afloat and offered at 50s. per cwt., c.i.f.

**TRAGACANTH.**—The position continues very firm, and there has been an active demand for druggists' qualities. It seems likely that prices for these grades will further advance in the near future, especially if there is any active demand from the trade.

**VALERIAN ROOT.**—Reported dearer at about 62s. 6d. per cwt.

**WAX (VARIOUS).**—**BEES'.**—Spot supplies are still difficult to obtain and prices are firmly maintained: Benguella, spot, 105s. per cwt.; shipment, 89s. per cwt., c.i.f. Abyssinian, spot, 110s.; shipment, 87s. 6d. per cwt., c.i.f. Dar-es-Salaam, spot, 110s.; shipment, 97s. per cwt., c.i.f. Madagascar, spot, 102s. 6d.; shipment, 82s. 6d. per cwt., c.i.f. Conakry, no spot supplies; shipment, 87s. per cwt., c.i.f. CARNAUBA continues quite steady, with small offers from origin. Fatty grey, spot, 107s. 6d.; in bond, 98s.; afloat, 95s.; shipment, August-September, 95s. per cwt., c.i.f.; November-December shipments, 83s. per cwt., c.i.f. Chalky grey, spot, 100s.; in bond, 92s. 6d.; shipment, 86s. per cwt., c.i.f. Primeira, spot, 160s.; in bond, 145s.; shipment, 145s. per cwt., c.i.f. November-December shipment, 128s. per cwt., c.i.f.

### Essential Oils, etc.

The quiet holiday tone usual at this time of year is reflected also in this market. Anise is fully steady. There is more demand on spot for bois de rose. Ceylon citronella is firmer for shipment. Lavender is a firm market. More business is passing in lemon. Spearmint is quoted dearer on spot. Synthetics remain unchanged.

**ANISE (STAR).**—Prices are fully steady at former rates: spot, "Red Ship," in leads, 1s. 10½d.; in tins, 1s. 8½d.; in drums, 1s. 7½d.; shipment, in leads, 1s. 8½d.; in tins, 1s. 7½d.; in drums, 1s. 7½d. per lb., c.i.f.

**BERGAMOT.**—The shipment market is quoted rather dearer at about 5s. 4d. per lb., c.i.f. Spot oil at about 5s. 6d. per lb.

**BOIS DE ROSE.**—This market remains steady, with rather more demand on spot: Brazilian, spot, about 4s. 9d. to 5s. per lb.; shipment is quoted at 4s. 6d. per lb., c.i.f.

**CAJUPUT.**—This market has remained rather dull: spot, 2s. to 2s. 3d.; green, 1s. 9½d. to 1s. 11d. per lb., as to quantity.

**CARAWAY.**—Market steady, with occasional business passing: Dutch rectified, five cwt., 8s. 5d.; one cwt., 8s. 9d.; smaller quantities, up to 9s. 4d. per lb.; crude, 5d. per lb. less.

**CASSIA.**—This market has been of little interest: spot, about 3s. 10d. per lb.; shipment, 3s. 1d. per lb., c.i.f., nominal.

**CINNAMON LEAF.**—A fair business is reported: Ceylon oil, spot, about 2s. 9d. to 3s. per lb., as to quantity.

**CITRONELLA.**—Ceylon oil firmer for shipment at about 1s. per lb., c.i.f.: spot, about 1s. 3½d. per lb. Java oil, shipment, about 1s. 3d. per lb., c.i.f., for quantities; spot, in small lots, about 1s. 6d. to 1s. 7d. per lb.

**CLOVE.**—English-made B.P. is quoted at about 3s. 6d. to 3s. 10d. per lb., as to quantity and source. Madagascar, spot, 3s. 4d. to 3s. 6d.; shipment, 2s. 5d. per lb., c.i.f.

**EUCALYPTUS.**—This market is unchanged, with a moderate inquiry: Empire oil, 70 to 75 per cent., 11½d. to 1s.; 80 to 85

per cent., 1s. to 1s. 1d. per lb., landed. Spanish, 70 to 75 per cent., 1s. 2d. per lb., c.i.f.

**LAVENDER.**—This market remains very firm: spot, finest genuine French, 38 to 40 per cent., 16s.; 50 to 52 per cent., 18s. 6d. per lb.

**LEMON.**—More business passing at unchanged prices: Sicilian hand-pressed, from 3s. 4d. to 3s. 8d., c.i.f., as to source. Spot, about 3s. 6d. to 3s. 9d. per lb. Californian, in large drums, 1s. 10½d.; in small drums, 1s. 11½d.

**LEMONGRASS.**—Shipment remains firm and unchanged at about 2s. 9d. per lb., c.i.f.

**PALMAROSA.**—This market remains quiet: spot, about 5s. 3d. per lb.

**PEPPERMINT.**—The market handling the Japanese product remains quiet: spot, about 3s. 11½d.; shipment, July-August, 3s. 10½d.; October-December, 3s. 9d. Japanese shippers are quoting about 4s. per lb., c.i.f. American natural oil, in drums, for shipment, about 3 dollars 65 cents per lb., c.i.f. Spot, about 15s. per lb.

**SPEARMINT.**—The spot market is quoted dearer at about 9s. to 9s. 6d. per lb.

**WORMSEED.**—Spot is quoted at about 8s. 6d. to 8s. 9d. per lb.; shipment, about 7s. 6d. per lb., c.i.f.

The following are current quotations for synthetics, etc.:—**ACETOPHENONE**, 6s. to 6s. 4d. per lb.; **AMYL ACETATE**, pure, 122s. 6d. per cwt., technical, 107s. 6d.; **AMYL SALICYLATE**, 2s. 3d. per lb. for cwt. lots up to 2s. 9d.; **AUBEFINE**, ex para cresol, 8s. 3d. to 8s. 9d. per lb.; **BENZALDEHYDE**, f.f.c., 2s. 1d. to 2s. 6d. per lb.; **BENZYL ACETATE**, 1s. 6d. to 1s. 10d. per lb.; **BENZYL ALCOHOL**, cwt. lots, 1s. 8d. up to 2s. 3d. per lb. for small lots; **BROMSTYROL**, 100 per cent., 10s. 6d. to 11s. per lb.; **BUTYRIC ACID**, 3s. 3d. to 3s. 6d. per lb.; **CITRAL**, chemically pure, 8s. to 8s. 6d. per lb.; **COUMARIN**, 7s. 9d. to 9s. per lb.; **ETHYL PHTHALATE** is steady at 2s. to 2s. 3d. per lb.; **EUGENOL**, 7s. 6d. to 8s. per lb.; **GERANIOL**, ex palmarosa, 16s. to 18s. per lb.; **HELIOTROPIN**, 100 per cent. crystals, 4s. 11d., in cwt. lots, up to 5s. 9d. per lb., as to quantity; **ISO EUGENOL**, 9s. 6d. to 10s. per lb. **METHYL ANTHRANILATE**, 7s. 3d. to 7s. 9d. per lb. **MIRBANE** is quoted at 7d. to 8d. per lb.; **MUSK**, ketone, 33s.; **LAMBRETIE**, 30s.; **XYLOL**, 8s. per lb., with bonus for quantities, some outside offers may be slightly cheaper; **PHENYL ETHYL ALCOHOL**, 8s. to 8s. 6d. per lb.; **TERPINEOL**, 1s. 4d. for ton lots up to 1s. 9d. per lb. for small parcels.

### Fixed Oils, etc.

The tone generally is fairly steady and there is not a great deal of price alteration. Acid and groundnut are a little dearer. Palm kernel is a point easier and linseed shows a slight reduction on the week. Turpentine, on spot, has recovered slightly. Business has continued on a limited scale. **ACID OILS** are quoted a little dearer, but remain a quiet market: coconut and/or palm kernel, 16s.; groundnut, 15s.; soya, 14s. 6d. per cwt., in barrels. **CASTOR** is receiving a fair demand and the market is steady at unchanged rates: pharmaceutical, 38s.; first pressings, 33s.; second pressings, 30s. (barrels); cases, £4 per ton extra, ex mills, Hull, in not less than one-ton lots; Bombay, 23s. (drums), c.i.f. **COCONUT.**—Business only on a limited scale; Ceylon mill is a point dearer but the deodorised grade remains unaltered: deodorised, 23s.; Ceylon, mill, 12s. 9d. (drums), c.i.f. **COTTON** is still a rather quiet market; prices unchanged, with the market steady: deodorised, 19s.; common edible, 17s. 6d.; soap-making, 16s. 6d.; crude, 14s. 6d. (barrels), spot. **GROUNDNUT.**—Quoted rates show an increase and the market is firm; business moderate: deodorised, 26s. 3d.; crude Oriental, 18s. 6d. (drums), c.i.f. **LINSEED (RAW, NAKED).**—A slight reduction is notified in values for all positions; the market is steady with a fair inquiry: on spot, 22s.; August, 20s. 7½d.; September-December, 21s. 1½d.; January-April, 20s. 9d. per cwt. Boiled oil, spot, 24s. 6d. **OLIVE** continues unchanged and steady; business rather quiet: edible, in tins in cases, 70s. per case of ten gallons; B.P., 5s. per gallon, in 40-gallon barrels. **PALM.**—Business has continued on a modest scale; prices on quotation are irregular, with the general tendency easier: Lagos, 12s., shipment; softs, 11s. 3d., shipment; mediums, 12s. 6d., shipment; hards, 13s. 6d., shipment; bleached, 14s. 6d. per cwt., spot. **PALM KERNEL** has remained a quiet market; prices show a slight reduction: deodorised, 22s.; crude, 15s. per cwt., spot. **RAPE** is steady and unchanged; the demand remains on a limited scale: refined, 30s. 6d.; crude, 29s., spot. **RESIN** is steady, although some grades show a slight depreciation in value: B, 13s. 3d.; D, 13s. 3d.; F/G, 14s.; N, 14s. 3d.; W/G, 15s.; W/W, 15s. 3d. per cwt., ex wharf. **SOYA** is a point cheaper for the crude grade, but the general tone of the market is firm: deodorised, 24s.; crude, 16s. per cwt., in barrels, spot. **TURPENTINE, AMERICAN.**—The quoted price on spot shows a slight recovery this week at 42s. per cwt., in barrels.



## Coal Tar Products, etc.

THE volume of business transacted during the week has been rather small, but the general tone is fairly satisfactory and most items are steady. Cresylic acid is receiving a good deal of attention, and the pale and dark grades are dearer. Creosote oil remains in good demand. Toluol and xylol are weak and easier. BENZOL.—Business is fairly good and the market is steady and unchanged: standard motor, 90's, 1s. 4d. to 1s. 4½d. per gallon, in tank wagons, ex works; pure, 1s. 7½d. to 1s. 8d. per gallon. CARBOLIC ACID CRYSTALS (39° to 40° C.).—There is not a great deal of inquiry on the market; the price is about steady at 8d. per lb., packages free, carriage paid: crude, 60's, 2s. to 2s. 2d. per gallon, naked, at works. CRESYLIC ACID has been the subject of a good interest; pale and dark grades show an increase in price: pale, 99 to 100 per cent., 1s. 5d. to 1s. 6d.; dark, 95 per cent., 1s. 1½d. to 1s. 2d.; special qualities, 1s. 9d. to 2s. 3d. per gallon, ex works; American duty-free acid, 1s. 6d. to 1s. 8d. per gallon, f.o.b. CREOSOTE OIL.—The good demand is maintained and values are maintained and steady: South England, 5d. to 5½d. per gallon, f.o.r. makers' works, in bulk quantities. KEROSENE is unchanged and steady; business rather slow: American water white, 10d.; standard white, 9d. per gallon, in barrels, ex wharf, London. MOTOR SPIRIT.—London and district prices are as follows: No. 1, 1s. 4d. in bulk and 1s. 5d. in cans; No. 3, 1s. 2d. in bulk and 1s. 3½d. in cans; Benzol, 1s. 9½d. in bulk and 1s. 10d. in cans; Benzol mixture, 1s. 4d. in bulk and 1s. 5d. in cans; aviation spirit, 1s. 8d. in bulk and 1s. 9d. per gallon, in tins, subject to rebates of 1½d. per gallon on No. 1 spirit and Benzol mixture and 1d. per gallon on No. 3 spirit. PITCH is unaltered on quotation and there is not much activity on the market: 58s. to 60s. per ton, f.o.b. East Coast. SOLVENT NAPHTHAS continue in slow demand, but values are unchanged: 90/100 is about steady at 1s. 3d. to 1s. 4d. per gallon, naked, at works; heavy, 99/100, nominal, at 8d. per gallon, naked, at works. TOLUOL is still far from active and quoted prices show a further small reduction: commercial, 90's, 2s. to 2s. 1d.; pure, about 2s. 3d. to 2s. 4d. per gallon, ex works, London, in fair quantities. XYLOL.—A reduction of 1d. per gallon for both grades is noted; business slack: commercial, 2s. 1d.; pure, about 2s. 3d. per gallon, ex works, London, in fair quantities.

## Industrial Chemicals, etc.

PRICES show practically no change and the general tone of the markets is steady. Formic and oxalic acids show the most activity and formaldehyde is moving well, although competition is still very keen. Arsenic is still dull, but most other items show a moderate activity. ACETIC ACID continues to receive an improved demand and quoted prices are steady: 80 per cent. technical, £38 5s.; 80 per cent. pure, £39 5s. per ton, in barrels; glacial, pharmaceutical 99/100 per cent., £57, in glass demijohns; glacial, in barrels, £48 per ton, carriage paid in U.K. ACETONE remains steady and in fairly active demand: B.G.S., £65 to £68 per ton, in drums, carriage paid in U.K. AMMONIA (ANHYDROUS).—Business in limited quantities is moving along steadily: 99.95 per cent. material is unchanged at 1s. to 1s. 2d. per lb., in loaned drums, carriage paid, and less for important contracts. AMMONIUM CHLORIDE is moving moderately well, with dealers' quoted price unchanged and steady: grey galvanising, £18 per ton, in casks, ex store; slightly less for contracts. ARSENIC remains competitive and weak: quoted prices vary according to source: Continental, £16 per ton, c.i.f. London; Japanese, £13 15s. per ton, c.i.f. London, for bulk quantities. BLEACHING POWDER.—Home makers' quoted prices are steady although there is still some evidence of foreign competition: 35/37 per cent. chlorine, £8 12s. 6d. per ton, in softwood casks, carriage paid, for 4-ton lots. BORAX.—As last report. BORIC ACID.—As last report. FORMALDEHYDE is receiving a good business but the market is still very competitive: 40 per cent. by volume, £24 to £25 per ton, in casks, ex store; slightly lower prices for big quantities. ISOPROPYL ALCOHOL is holding steady as quoted by makers from £5 12s. per cwt., ex works, in drums. LEAD ACETATE.—Inquiry is still rather slow but British material is steady: brown, £31 7s. 6d.; white, £34 10s. per ton, in casks, delivered. LITHOPONE has been rather quiet; dealers' prices are maintained and about steady: Continental red seal, £17 10s. to £18 per ton, ex store. OXALIC ACID is an active market, with the tone steady and firm: bulk lots, £48 15s. per ton, in casks; smaller quantities, 57s. to 58s. 6d. per cwt., in kegs, ex store. POTASH, CAUSTIC (88/92 PER CENT. SOLID).—A moderate inquiry is being received; prices steady and unchanged: £35 5s. to £36 12s. 6d. per ton, in drums, ex store, as to quantity. POTASSIUM CARBONATE is maintained and steady and there is a moderate inquiry on the market: 90/92 per cent., £27 15s. per ton; 96/98 per cent., £30 15s. per ton, in casks, ex store; lower prices for contracts. POTASSIUM CHLORATE is quoted unchanged; business is still rather slow: ton lots of powder or crystals, £36 10s.; smaller parcels, 4½d. to 5½d. per lb., ex store. POTASSIUM PERMANGANATE.—Business has been

on a very fair scale and the market is steady at dealers' prices: commercial quality, in 2-cwt. drums, 8½d. to 9½d. per lb., ex store. POTASSIUM PRUSSIAN is unchanged and steady; business limited: yellow, £74 10s. to £77 per ton, as to quantity, delivered. RED LEAD.—As last report. SAL AMMONIAC is moving fairly well, with the market competitive: dog-tooth crystals, £34 10s.; medium, £31; fine white crystals, £16 to £16 10s. per ton, in casks, ex store; slightly less for contracts. SALTCAKE is a steady market with business on about the usual scale: 63s. 6d. per ton, in minimum truck lots, carriage paid. SODA, CAUSTIC.—As last report. SODA, CRYSTALS (CARBONATE).—As last report. SODIUM ACETATE is in poor demand; prices unchanged: spot, £21 10s. per ton, in casks, ex store. SODIUM BICARBONATE is steady at makers' prices: refined, £10 10s. per ton, carriage paid, in bags. SODIUM CHLORATE remains a slow market; prices about steady: ton lots, £32 10s.; smaller parcels, 4d. to 5d. per lb., ex store. SODIUM HYPOSULPHITE continues steady and well maintained; a regular business is being done: photographic pea crystals, £14 10s. per ton, in 1-cwt. kegs, carriage paid on minimum 2-ton lots; commercial, £10 5s. per ton, in 2-cwt. bags for minimum 2-ton lots, carriage paid. SODIUM PRUSSIAN is moving on a limited scale at recent levels: quantities, 4½d. per lb.; smaller parcels, 5d. to 6d. per lb., ex store. WHITE LEAD.—As last report.

## Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1934, p. 304.

(From "The Trade Marks Journal," July 25, 1934.)

"LA TOJA"; for perfumery, etc. (48). By Sociedad Anonima La Toja, Calle de la Republica, Pontevedra, Spain. 551,461. (Associated.)

"ODOI" in block letters on slant; for perfumery, etc. (48). By Cranbux, Ltd., 103 Westwick Street, Norwich. 551,746. (Associated.)

(From "The Trade Marks Journal," August 1, 1934.)

"LISSAPOL"; for chemicals (1). By British Dyestuffs Corporation, Ltd., Imperial Chemical House, Millwall, S.W.1. 544,023. (Associated.)

"TEXOPRINT"; for all goods (1). By I.G. Farbenindustrie A.G., Grüneburgplatz, Frankfurt-on-Main, Germany. 552,096.

Monogram "G. H. F." on square shape; for a veterinary medicine (2). By G. H. Foster, St. Michael's Court, Tenterden, Kent. 548,839.

"LETHANE"; for insecticides, fungicides and disinfectants (2). By Röhm & Haas Co., 222 West Washington Square, Philadelphia, U.S.A. 549,954.

"VITAFLO"; for chemicals for preserving cut flowers (2). By Hommade, Ltd., 6 Enfield Road, Acton, W.3. 550,251.

"PLOUGH BRAND" under device of plough and date "A.D. 1715"; for veterinary and sanitary chemicals (2). By Allen & Hanburys, Ltd., 37 Lombard Street, London, E.C.3. 550,544. (Associated.)

"EBEE" and "ELISE BOCK" on design of fantastic lady and monogram "E.B." ("Ebee" and "E.B." disclaimed); for all goods (3), (11) and (48). By Elise Bock G.m.b.H., Kantstrasse 158, Berlin, W. 549,915/916/917. (Associated.)

"BAILDEN"; for wool grease for use in medicine and pharmacy (3). By C. Tennant, Sons & Co., Ltd., 9 Mincing Lane, London, E.C.3. 551,082.

"PYOROL"; for medicated mouth washes and local anaesthetics (3). By Thornton Pharmaceutical Laboratories, Ltd., Victoria Road, Thornton-le-Fylde. 551,155.

"ADONA"; for a medicated cream (3). By Elizabeth Arden, Ltd., 5 Cork Street, London, W.1. 548,087. (Associated.)

"CUPRA MINIWATT" ("Cupra" disclaimed); for surgical instruments, etc. (11). By Naamloze Vennootschap Philips' Gloeilampenfabrieken, Emmasingel, Eindhoven, Holland. 549,107. (Associated.)

## APPLICATION AMENDMENT

According to "The Trade Marks Journal" of August 1, 1934, the specification for "KYPOSH" in Class 2, No. 550,030, by Pan Britannica Industries, Ltd., has been amended to "insecticides and disinfectants."



# Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

## Should the Number of Pharmacies be Limited?

SIR,—Will restriction on the opening of new pharmacies shortly be forced upon the pharmaceutical world? In the opinion of many pharmacists it has been apparent for some time past that the number of apprentices entering the profession has been far in excess of the natural requirements of pharmacy. As a consequence, competition has in many cases been extremely severe, particularly so in the new housing areas which are springing up all over the country. Some years ago, foreseeing the ultimate development of his town in a certain direction, a pharmacist opened a business on the outskirts in a district then sparsely populated. After struggling along for some years he was looking forward to reaping a reward for his foresight when a new housing estate sprang up around his pharmacy, but to his dismay two new pharmacies were opened near by. In consequence, where one flourishing business should exist, three are now struggling for a livelihood. A builder may not erect houses, as a rule, except in accordance with some town-planning scheme, yet traders can open shops indiscriminately. If the pharmacist is to be assured a reasonable chance of earning his living then some responsible body should be granted controlling powers over the opening of new premises. The local association would be the natural means of ascertaining views on the desirability of sanctioning an application. Pharmacists may denounce such a scheme as a further infringement of their liberties, yet it would at least ensure a pharmacist a reasonable chance of living up to the standard demanded by the dignity of his profession rather than the miserable struggle for existence through which many are passing at present. It seems far better to have half a dozen pharmacists living in comfort than to have eighteen or twenty eking out a bare existence and grumbling at "bad trade," with the possibility of heavy calls on the Benevolent Fund at some future time. No one likes restrictive control; but if pharmacy is to enjoy the fruits of its labours some form of control over the trading activities of its members must be enforced.—Yours, etc.,

CHESHIRE (7/8).

## Education for What?

SIR,—It would appear from the discussion on the paper read by Mr. Linstead at the Leeds meeting of the Conference (*C. & D.*, July 28, p. 148) that brains and "guts" should be the principal qualifications of the pharmacist. It is possible that chemists have as large a proportion of brains as the followers of any other calling, but as a class they are sadly deficient in the second quality, and a little more of it would bring them more respect and consideration from authorities and public alike. In his paper Mr. Linstead gave examples of modern therapeutic treatment, and asked "Where in all this is the pharmacist?" Established in a populous neighbourhood and surrounded by thirty or more dispensing doctors, the only examples of modern therapeutic treatment I see come to me in the shape of insurance scripts for National Insurance Formulary mixtures, and I have looked through the Formulary in vain for these treatments. Then there is the suggestion that a pharmacist should have such knowledge as will enable him to supply the chemicals and requirements for bacteriology and radiology, and a practical understanding of the preparation of serums, vaccines, etc. Knowledge is always worth while for self-education, but can the most optimistic pharmacist imagine bacteriologists and radiologists walking into his shop daily to obtain their reagents and solutions? Of course not; they order them from the wholesalers at wholesale prices, and most of the work is done by men attached to institutions or hospitals where the supplies are obtained on contract.

Faithfully yours,

JOCUNDUS (7/8).

## Driving Away Trade

SIR,—A lady asked the manager of a chemist's shop in the London area for a bottle of 25 aspirin tablets of a well-known brand retailing at 10d. The pharmacist, obviously having no stock of the article in question, in a very brusque manner told the customer it was nonsense to pay 10d. for a proprietary brand of tablets which were no better than the line he stocked, and by his manner he forced upon her a round tin of 25 aspirin tablets, with several tablets crumbling or broken, for the sum of 3½d. This lady, not caring to refuse the package after the chemist's remarks (made, by the way, in front of other customers), paid for the tin, took it home and promptly put it in the dustbin, resolving never to go inside that shop again. This is bad business, quite apart from bad manners, from two points of view. In the first place, the chemist sold an article which at 3½d. brought in a profit of probably 1d., whereas the brand of aspirin tablets the customer preferred and asked for would have shown him a profit of about 4d., and left his customer perfectly satisfied. In the second place, by his arrogant manner he compelled the lady to buy an obviously inferior article which she did not want, so that he could make a sale to his own profit, and he also destroyed her confidence in the pharmacist and through this lost a good regular customer. Quite apart from the question of common courtesy and professional ethics, it seems to me that in some cases at least the competition from stores and other outside sources may quite possibly be due to more than one cause. The position the pharmacist holds is due to his professional knowledge, *plus* his integrity and honesty of dealing, and if he sacrifices these principles he not only harms himself but also brings discredit upon a very honourable calling.—I am, etc.,

AN EX-PILL (7/8).

## Qualified, But Not Registered

SIR,—What shall we call the qualified but unregistered man, who for one reason or another may refuse to pay an annual fee for registration but wants to keep in business (*C. & D.*, August 4, p. 175)? He cannot call himself a pharmaceutical chemist or pharmacist, although he may have passed the "Major" examination; he cannot call himself a pharmacist, or chemist and druggist, or druggist, or M.P.S., nor can he, if he is in retail business, call himself a chemist, although he may have passed the "Minor," nor can he call his shop a pharmacy. He cannot be an authorised seller of poisons. What can he do? He can, presumably, hang up his certificate of qualification and show it in his window, thus to a great extent offsetting the lack of title on his fascia or on his labels. He can sell drugs and chemicals that are not poisons in Part I of the Poisons List; if he is registered with the local authority he can sell Poisons in Part II of the Poisons List. There seems to be nothing in the new Act to prevent him from dispensing any medicines not containing Part I poisons. There will be a wide gulf between him and the unqualified man; I can visualise a shop which is in most respects a chemist's shop (except that it is not described as such), where the usual goods can be bought but where certain prescriptions may not be dispensed, including N.H.I. scripts. Certainly the public will have difficulty in drawing a distinction between the registered man and the unregistered man of this type. Several names suggest themselves for this class. "Qualified seller of drugs and chemicals," and "Qualified drug and chemical seller," may perhaps be regarded as contravening subsection (2) of Section 3 of the Act. "Qualified by examination," is an old title, but I suppose it can be used by an unregistered but qualified man. "Minor (or Major) certificate of the Pharmaceutical Society" is another suggestion. One argument for keeping a Register which shall include all those who have paid their registration fees, as well as those who are

qualified but who have not paid their fees, is the assistance such will be to manufacturers and wholesalers. It is the practice of certain manufacturers—a growing number—to restrict the sales of certain of their proprietaries to the qualified man. The distinction has been between the qualified and the unqualified man: it may yet be between the registered and the unregistered man. On the other hand it may not; and it will be of the greatest assistance to such suppliers to have authoritative lists containing both classes. Again, many qualified representatives on the road may not feel disposed to keep up their registration; when seeking new posts their statements as to qualification can be checked by the inspection of such a Register. "If the Register of premises," i.e. the Register of those shops wherein poisons are sold, could be bound up with the "Register," such a volume would be of inestimable benefit to many classes of traders; it would save considerable correspondence and, in London, hundreds of telephone inquiries per annum.—Yours, etc.,  
MANUFACTURER (7/8).

## Dispensing Notes & Difficulties

### A Suspension of Phenolphthalein

SIR,—Some days ago we received a prescription:—

Phenolphthal. ... .. gr. iij.  
Paraff. liq. ... .. ad 5ss.

This was dispensed by rubbing down the phenolphthalein with the liquid paraffin. Is there a more elegant method of dispensing such a prescription?

Yours truly,

A. F. B. (6/7).

[There is no way of making a perfect mixture with all the phenolphthalein suspended, without water and a suspending agent. Much improvement can, however be achieved by rubbing the phenolphthalein down with pulv. amyli gr. xv. The prescription would then be:—

Phenolphthal. ... .. gr. xlvij.  
P. amyli ... .. 5ss.  
Paraff. liq. ... .. ad 5viii.

It shakes up quite well, and there is less chance of losing the drug at the bottom of the bottle. Note this on the side of the prescription. It is quite a legitimate addition.]

## Legal Queries

F. M. M. (2/6) employs a woman for two hours each morning to "help upstairs." Must she be insured under the National Health and Unemployment Insurance schemes? [The woman must be insured under the National Health and Pensions scheme; but not under the Unemployment Insurance scheme if, as we gather, she is engaged solely in domestic work.]

G. W. H. (2/6) asks whether upon leaving premises of which he has been tenant, he is entitled to remove the backs of the shop-windows. [If "G. W. H." himself put in the backs of the windows, or took them over from a previous tenant, and they were fixed in such a way that they can be removed without doing any damage to the property, he is, in our opinion, entitled to remove them. Otherwise, they must not be removed.]

R. S. (30/1) placed an order, two years ago, for a quantity of tins of which half was to be delivered at once and the rest six months later. Half the goods were supplied and paid for; but the remainder have never been delivered, nor has "R. S." asked for them, as he no longer requires them. He has now been informed by another firm that they have taken over the first firm's business and propose to supply the balance of the goods at once. Can he be compelled to accept the goods? [In our opinion, as "R. S." did not agree to the transfer of the contract to the second firm, he cannot be compelled by that firm to accept or pay for the tins.]

## Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

D. J. O. H. (21/88).—FLY SPRAY.—The formulas below are representative of the preparations most popular at present:—

I		II	
Pyrethrum	... .. 400	Insect powder	... 8 oz.
Camphor	... .. 50	Paraffin	... 1 gall.
Cedar wood oil	... 150	Methyl salicylate, eucalyptus oil or saffrol	... 1 oz.
Citronella oil	... 25	Macerate the pyrethrum in the paraffin for 48 hours, strain, and add the other ingredients.	
Lavender oil	... 25		
Spirit	... to 2,000		
Extract the pyrethrum with the alcohol, strain and add the other ingredients.			

R. H. (22/78).—STOMACH MIXTURE.—The following preparation has been found in practice to yield excellent results:—

Sodium bicarbonate	... .. 10 gr.
Spirit of chloroform	... .. 10 ℥.
Essence of peppermint	... .. 5 ℥.
Infusion of rhubarb	... .. 1 dr.
Compound infusion of gentian	to 1 oz.

P. & C. (17/78).—NAIL VARNISHES.—Modern nail varnishes in various colours are prepared in accordance with the following formula:—

Cellulose nitrate	... .. 20
Amyl acetate	... .. 30
Ethyl acetate	... .. 30
Acetone	... .. 30
Amyl phthalate	... .. 5

An alternative recipe, using celluloid in the place of cellulose nitrate, is:—

Celluloid	... .. 4
Ethyl acetate	... .. 30
Acetone	... .. 30
Amyl acetate	... .. 30
Amyl phthalate	... .. 5
Alcohol	... .. 8
Sandarac	... .. 2

The following agents are added in the amounts given to produce the desired colours:—*Gold*—bronze powder, 5 per cent.; *silver*—finely powdered aluminium, 5 per cent.; *pearl*—fish scale essence, 5 per cent.; *black*—nigrosin (spirit soluble), a sufficiency; *natural*—alcoholic solution of safranin, 1 in 160, 5 minims; *coral*—alcoholic solution of safranin, 1 in 160, 10 minims; *green*—naphthol green, a sufficiency to produce the desired tint.

## Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," August 15, 1884

### Sir Erasmus Wilson

Sir Erasmus Wilson died on August 8, in the seventy-fifth year of his age, at his residence at Westgate-on-the-Sea. This eminent surgeon had retired from practice for some years. . . . In his early days he made the study of skin diseases his speciality, and it was his fame as "the skin doctor" that had the greatest influence with other medical practitioners, in inducing so many of them to select particular lines of practice. His profession and his books brought him great wealth, which he spent in a princely manner. The £10,000 which he spent in bringing the "Cleopatra" obelisk to England was the most prominent exhibition of his liberality, but his purse was always open to religious and philanthropic claims, and it is said that privately his benevolence was so great that "the visible results of his charity did not amount to a tithe of the good which he did secretly."



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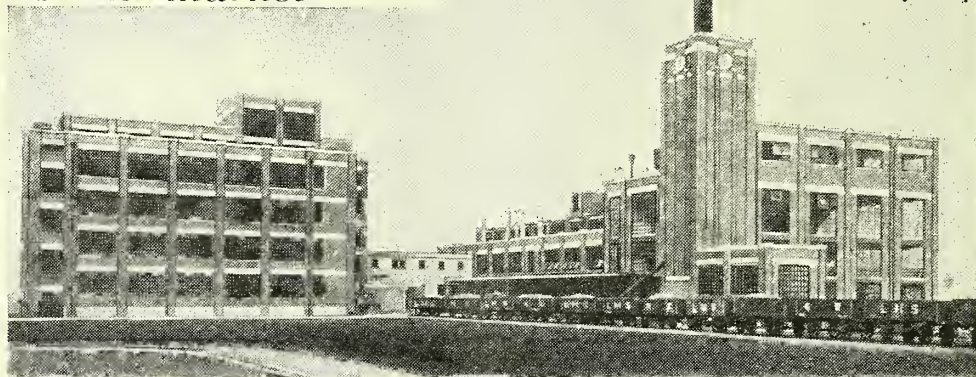
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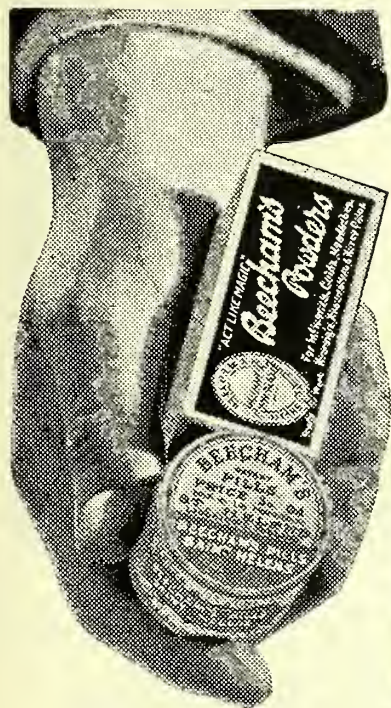
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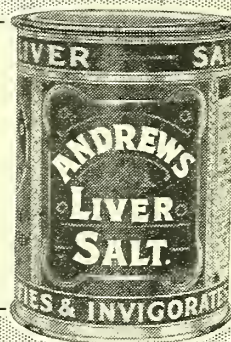
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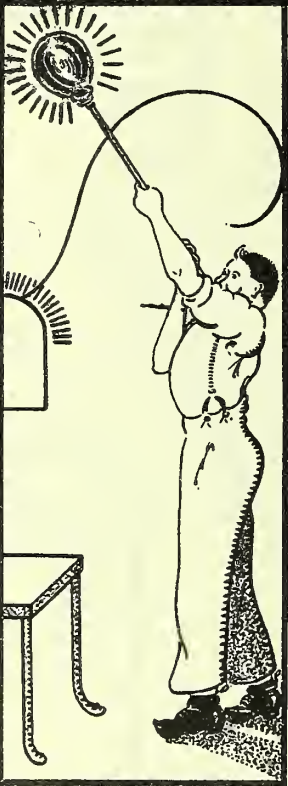
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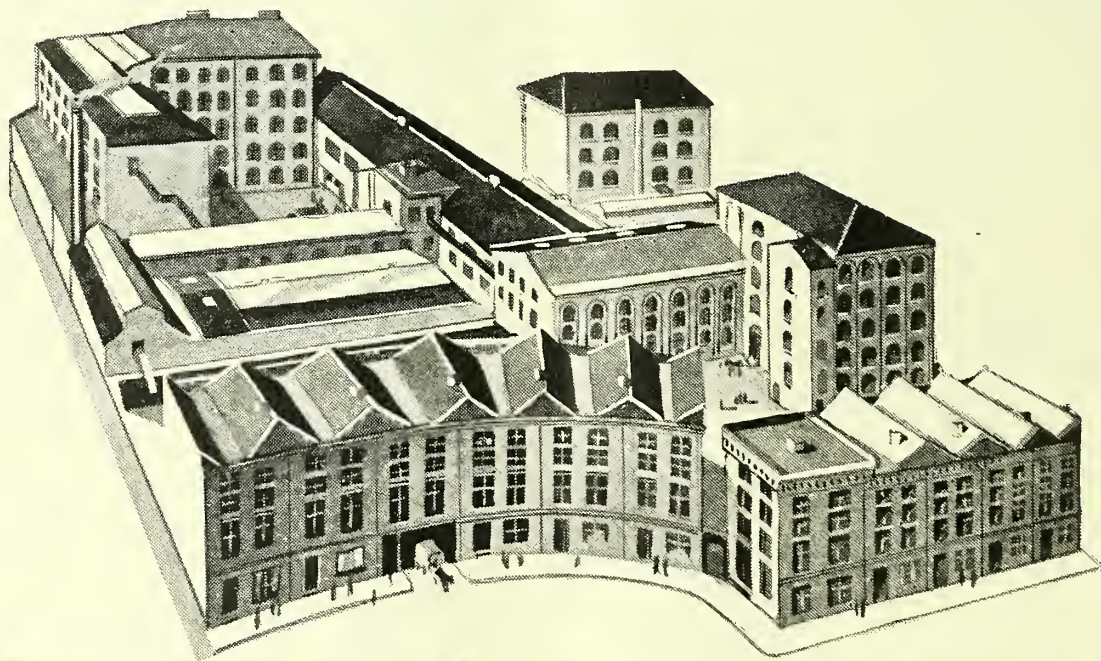
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T 17



# The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

AUGUST 11,  
1934

28 ESSEX STREET, LONDON, W.C.2

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- 4.—**WANDSWORTH (NEAR)**.—Cash Retail Business with Panel and Photographic; returns under management approach £1,600; accountants' figures; nice living accommodation; rent £78 per annum; long lease; price £1,100.
- 5.—**UXBRIDGE (NEAR)**.—Recently established Business; returns already over £30 per week, under management; increasing rapidly; management difficulties cause of sale; price £1,100 or near offer.
- 6.—**WIMBLEDON (NEAR)**.—Good-class Dispensing Business; returns approach £1,600 per annum; good profits; large double-fronted shop, well fitted and fully stocked; modern flat over; price £250, plus stock and fixtures at valuation, in all about £900.
- 7.—**HENDON (NEAR)**.—Good-class Business occupying excellent position, returns approach £2,000 per annum; net profit £500 per annum; price £1,250 or near offer.
- 8.—**LONDON (NEAR THE BANK)**.—City Business; returns £45 to 50 per week; rent and rates £250 per annum; price about £500, plus valuation, in all £1,500 to £1,600.
- 9.—**BECONTREE (NEAR)**.—Cash Retail Business in excellent position; increasing turnover, this year will be over £3,000; premises can be purchased or leased for £160 per annum; modern flat; price all at about £2,000 or valuation terms entertained.
- 10.—**BOURNEMOUTH (NEAR)**.—Mixed Chemist's Business for sale; returns £2,500, increasing; stock and fixtures £1,600; modern living accommodation; price £2,000 or near offer.
- 11.—**SUSSEX COAST (POPULAR RESORT)**.—Medium-class Retail Business with large Panel; established over 130 years; returns last year £1,350; net profit £400; stock and fixtures worth £750; good living accommodation with bath; rent £85; long lease; price £300, plus stock and fixtures at valuation, in all about £1,050.
- 12.—**KENT COAST (Death Vacancy)**.—Much neglected Business for sale; returns £1,000; good living accommodation; new lease at reasonable rental; stock and fixtures worth £300; price an agreed figure for goodwill, plus valuation.
- 13.—**BIRMINGHAM (NEAR)**.—Cash Drug Store in growing neighbourhood; good chance for Chemist; stock and fixtures worth £200; low rental; advantageous sublet; price £350.
- 14.—**SOUTHPORT (NEAR)**.—Cash Drug Store; established 18 years; returns approach £1,600; price £375 plus valuation.
- 15.—**WEST COUNTRY**.—Country Retail Business; net profit over £500 per annum; accountants' figures; living accommodation; new lease; price £600 plus stock, in all about £1,400.
- 16.—**LEEDS**.—Cash Retail Business; established 1883; returns £16 per week (average); net profit £175 per annum; stock and fixtures worth £450; rent about £45 per annum; price £450 or reasonable offer.
- 17.—**SUNDERLAND (NEAR)**.—Good-class Cash Drug Store with Wine shop; net profit £700 per annum; price for immediate sale £1,200; ill health necessitates sacrifice.
- 18.—**SOUTHEND (NEAR) NEW DISTRICT**.—Cash Drug Store with Circulating Library; returns, present rate, £30 weekly; scope for qualified; excellent living accommodation; price £650.
- 19.—**SOMERSET**.—Middle-class Retail Business; returns over £1,100; net profit £280; net rent £34 per annum; long lease; lowest price £800.
- 20.—**DORKING (NEAR)**.—Good-class Family Retail Business in splendid position; in present hands 25 years; good profits; returns approach £1,200 per annum; stock and fixtures worth £600 to £700; excellent accommodation; garage; price, small premium, plus valuation.

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(C2) WEST END.—Attractive lock-up pharmacy, situated in busy main thoroughfare; net profit for last financial year upwards of £1,000; price £2,500 all-at.

(C3) WEST COUNTRY.—Old-established pharmacy with side-lines; returns approximately £6,500 per annum; net profit about £1,250; owner retiring.

(C4) LONDON, N. (OUTER SUBURB).—Attractive modern pharmacy, with living accommodation, situated in good-class residential district; turnover £1,800-£2,000 per annum; property also available; well recommended.

(C5) BIRMINGHAM.—Attractive modern pharmacy, situated in good-class residential area; turnover approximately £1,800 per annum; excellent living accommodation, with garden and garage; reasonable rental and purchase price.

(C6) LONDON, W. (OUTER SUBURB).—Progressive modern pharmacy, with good living accommodation; turnover approximately £1,800 per annum; rent £135; reasonable purchase price.

(C7) SURREY.—Drug store, unopposed, for disposal owing to retirement; in present hands 10 years; turnover for 1933/1934, £1,124; rent and rates £37 per annum, inclusive of living accommodation; no near opposition; price £850.

(C8) LONDON, N.—Pharmacy, with living accommodation, offering good scope for considerable development; turnover for 1933, £1,117; very low rental; price £500 all-at.

(C9) VICTORIA (NEAR).—Lock-up pharmacy, situated in busy thoroughfare; present returns about £18 per week, with abundant scope for development; reasonable purchase price, amounting to little more than the value of stock and fixtures (approximately £375).

(C10) WOOLWICH (NEAR).—Attractive modern pharmacy with extensive window frontage for disposal at a very low figure, owing to retirement; present returns upwards of £1,500 per annum; reasonable rental; price £700, including stock £425, and fixtures £200; full details upon application.

(C11) INLAND SPA RESORT.—Drug store with exceptional scope for development under qualified proprietorship; full wine licence; living accommodation; present returns approximately £25 per week; excellent position; low rental; price £700, representing approximate value of stock and fixtures only.

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(C17) SURREY (NEAR TO LONDON).—Modern pharmacy with up-to-date flat, situated in populous residential area; turnover approximately £1,950 per annum; net profit about £400; price £1,125 all-at.

(C18) LONDON, S.E.—Main road pharmacy, with excellent earning capacity, and scope for further increase; average turnover approximately £1,450 per annum; net profit about £400; price £750 or offer.

(C19) KINGSTON-ON-THAMES (NEAR).—Established retail business, with living accommodation; average turnover approximately £1,700 per annum; good scope for further increase; no near opposition; price £1,000 or offer.

(C20) BLACKPOOL.—Lock-up pharmacy, with abundant opportunities for increase; average turnover approximately £1,300 per annum; reasonable rental; price £550 (value of stock and fittings only).

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2.—SURREY.—Well-established Light Family Retail; no Panel; returns average £1,124; good profits; rent £32 10s., on lease; small house attached; double-fronted shop; well fitted and stocked; owner retiring; price £750.

3.—LIVERPOOL.—Old-established Cash Retail, in thickly populated suburb; returns £730; N.H.I. £180; rent £78 clear; good house; same hands 20 years; price £550.

4.—BOURNEMOUTH.—Middle-class Business, in growing district; returns average £15 weekly; attractive modern corner pharmacy; rent £65 clear; stock worth £400; price £550, or offer.

5.—SUSSEX COAST.—Nice-class Dispensing Business, in prominent and improving position; non-season trade; returns over £2,000; good profits; attractive pharmacy; fully stocked; price £1,750; personally inspected and recommended.

6.—SHEFFIELD.—Well-established Drug and Herbal Stores; selling through death; returns average £800; net profit about £200; low rent; house attached; fine chance for Chemist; price £325.

7.—LONDON.—Wholesale Photographic, D. & P. Business, with profitable winter side-line; turnover under manager £2,700; plenty of scope; excellent premises; latest up-to-date plant; price £1,350, about value of plant and stock; references required.

8.—NORTH LONDON.—Middle-class Suburban Business, with good N.H.I.; returns average over £2,000, under manager; gross profits one-third; audited figures; rent £75; lease granted; good house; price £1,150, or near offer.

9.—LONDON, E.C.1.—Light Cash Retail, with good N.H.I.; main-road position; returns over £900; net profit £243; rent £75; new lease granted; owner has bought a country business and will accept £400 or near offer for quick sale.

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**C. DURHAM.**—Owing to continued ill health vendor desires to dispose of his 2 well-established businesses, together or separately: (1) Lock-up; returns for past 3 years average £1,700 per annum excluding N.H.I., scripts 950 monthly; very reasonable rent; lease, price £1,500 about. (2) Returns for past 3 years average £1,300 per annum excluding N.H.I., scripts 650 monthly; very low rent; lease; storerooms over shop can be used as living accommodation if desired; price £1,250 about (no triflers entertained). Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. (Tel.: Fallsworth 1913.)

**LEEDS.**—Old-established Light Cash Retail, Photographic, N.H.I. (400 monthly); 3 years' average turnover £860; average net profit £208; about £400 at valuation; no reasonable offer refused; commodious shop, kitchen, 3 rooms upstairs used for stock; situated busy main road; good opening for Optics. Marsden, Valuer, 29 Oakwell Crescent, Leeds, 8.

**MANCHESTER** (vendor retiring).—An excellent opportunity occurs to acquire a really sound first-hand offer in good working-class district; well-fitted and heavily stocked; returns for past 3 years average, with N.H.I., nearly £4,000 per annum, gross profit £1,500-£1,600 yearly; auditor's figures for end of financial year shortly available; valuable lease; very low rent; fine position shopping centre, main road; good living accommodation attached; further particulars given to prospective purchasers with £3,000 at command, which is the minimum price required; banker's references essential. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. (Tel.: Fallsworth 1913.)

**NEWCASTLE-ON-TYNE.**—Pharmacy; good main-road position; beautifully fitted; large N.H.I. and good-class connection; rent £100; lock-up; turnover £1,350 under female management; sell £800, near offer. Another lock-up; 12 months established; now averaging £18 weekly plus N.H.I., both increasing; good market position; plenty scope; rent and rates £85; suit beginner; smart shop; price £300 or near, all at. 122/7, Office of this Paper.

**SUSSEX** (near Horsham).—Good-class country Business for sale; takings average £40 per week; good profits; heavy stock, good and clean; exceptionally nice house; 5 bedrooms (3 in use); large dining-room, breakfast-room; old-world garden 200 x 80 ft.; fruit trees, vines, &c.; rent £80; long lease; nearest offer to £900 secures. 246/847, Office of this Paper.

**BRANCH Shop for Sale;** West Midlands country town; good position; high-class trade and good profits; turnover over £2,000 per annum, capable of increase; inclusive price £1,500, or near offer. 246/841, Office of this Paper.

**IF** you have a Business to Sell, or desire to Purchase one, don't broadcast the fact!!! My system is to introduce Vendor and Purchaser privately, and to negotiate the transfer and valuation personally, in an impartial and unbiased manner. Your Stock valued for Income Tax requirements, and your accounts audited, under the same conditions of secrecy. S. F. Clark, F.N.A.A., Chemists' Valuer and Transfer Agent, 34 Marksbury Avenue, Richmond, Surrey. Phone: Prospect 3366.

**IMMEDIATE.**—Exceptional opportunity. Having bought larger business, will dispose of present one at exceptionally low price for quick sale, or will sell fixtures only, as a going concern; purchase of any part of stock optional; shop-house, electric light, &c.; good living made; call any time. 155 Walmer Road, W.11.

**TO MULTIPLE FIRMS AND OTHERS.**—Unique offer; Yorkshire (important town); very old-established City Business; commanding position shopping centre; returns £4,000 per annum; valuable proprietaries and over 12,000 N.H.I. scripts annually; sound, genuine offer; price £2,000; further particulars to principals only. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. (Tel.: Fallsworth 1913.)

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## BUSINESSES WANTED.

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**NORTH Country Chemist** would like to open negotiations with any person desirous of disposing of a really Sound Chemist's Business; Tyne district preferred; must stand investigation; smaller business considered if scope for expansion; no agents. Particulars in confidence to "Cash Offer," 122/2, Office of this Paper.

**CHEMIST**, capital £450, requires Business within 30 miles' radius of London; good living accommodation essential; Drug Store or neglected business with scope not objected to; alternatively, a large business, part payment, entertained; must bear strictest investigation. 121/17, Office of this Paper.

**IMPORTANT Announcement.**—A number of businesses in all areas are required immediately by a Limited Company with substantial available capital; 3 years' certified accounts and balance sheets are essential, and, subject to satisfactory figures being forthcoming, preliminary negotiations can be entered into without delay; chemists for any reason desirous of selling are invited to communicate in strict confidence for full details of the scheme, and introductions can be arranged immediately; complete confidence will be observed; approximately 30 businesses are still required. Please write initially, under guaranteed assurance of confidence, to Ernest J. George & Co., 329 High Holborn, W.C.1.

**PHARMACIST** (Optician), widely experienced, wishes to meet principals of an established London or Home Counties Business(es); turnover £2,500-£3,000; good cash capital; living accommodation advantageous; partnership entertained in group of businesses; open to negotiation immediately or can wait for suitable succession; barest outlines of offer replied to in strictest confidence and privacy. P.C.B. 129/33, Office of this Paper.

**PRIVATE Chemist** requires a Business returning a net profit of about £400 per annum; no Optics; Midlands or South of England preferred; auditors' figures required; replies treated with strict confidence. Apply 122/19, Office of this Paper.

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**YOUNG Lady** requires Apprenticeship in W. or S.W. London; has passed Preliminary Scientific examination. Write Miss H. Davey, 17 Chesilton Road, Fulham, S.W.6.

## SITUATIONS OPEN.

### RETAIL (HOME).

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**BATH.**—Required by September 15, smart Qualified Assistant (25 to 40), Male, wanted; married; must be good Counter-man, Window-dresser, of smart appearance, and able to make Attractive Displays; good house attached. Apply, stating age, copy of references, and photo if possible, to T. Bellamy, Pharmaceutical Chemist, 2 Tindal Square, Chelmsford.

**CRICKLEWOOD BROADWAY, N.W.**—Qualified Branch Manager (25 to 40), Male, wanted; married; must be good Counter-man, Window-dresser, of smart appearance, and able to make Attractive Displays; good house attached. Apply, stating age, copy of references, and photo if possible, to T. Bellamy, Pharmaceutical Chemist, 2 Tindal Square, Chelmsford.

**HYTHE, KENT.**—Immediately, owing to illness, an Assistant wanted for several weeks. R. C. Andrews, 35 High Street, Hythe, Kent.

**LONDON, E.**—Young Qualified Manager required for branch shop; must be accustomed to N.H.I. Dispensing and Window-dressing. Apply, giving usual particulars, to 122/17, Office of this Paper.

**LONDON, E.10.**—Required at once, Qualified Lady to manage smart branch shop; salary 70s. p.w.; good prospects for reliable worker. Apply, stating age and experience, references, photo required (returned if stamped addressed envelope is sent), 122/21, Office of this Paper.

**LONDON, W.1.**—Qualified Assistant, either sex, for Cash business; good at Counter and Window-dressing; state age, experience, salary and when free. 122/34, Office of this Paper.

**MANCHESTER.**—Experienced Chemist, lady or gent, preferably with Optical experience; tall and smart appearance. Give full details of age, experience, salary required, enclose photo if possible, to Chemist, 49 Leicester Road, Salford, 7, Lancs.

**MANCHESTER.**—Qualified Branch Manager and also Unqualified Assistant required; both must be capable and reliable; working-class district; state salary and experience. Statim, 121/1, Office of this Paper.

**MANCHESTER.**—Qualified Manager, with initiative, required immediately; smart, expert Window-dresser and good knowledge of Photography, Toilets and Counter, Prescribing. Apply, stating age, height, experience and salary required (photo if possible), to H. M. Lyons, 109 Princess Road, Moss Side, Manchester.

**WOLVERHAMPTON** Chemist requires a smart Junior Assistant or Improver chiefly for the Counter. Full particulars and wages to 122/56, Office of this Paper.

**WORKS (West Riding).**—Junior wanted at once for private Chemist's shop where other assistants are kept; well-trained youth accustomed to Dispensing, &c., preferred; comfortable post for suitable assistant; give full particulars re age, height, experience, references, &c. 122/57, Office of this Paper.

**A COMPETENT** Qualified Manager required, beginning September, for single-handed shop; London; must be capable of working up neglected business and have undeniable references. State age, experience, salary required and full particulars to M., P.C.B. 129/21, Office of this Paper.

**A YOUNG Lady Assistant**, Qualified, for new branch, at once, near London; full particulars, with salary, first letter. 122/37, Office of this Paper.

**A N** experienced Assistant required, well up in Dispensary, Counter, General routine (Window-dressing, &c.); Veterinary and Optical knowledge an advantage, though not essential; applicants must be well recommended and real workers; the position vacant is for one month certain from September 3, although a suitable applicant will most likely be offered a permanency; if only temporary, fare paid both ways. Apply, stating if qualified or unqualified, together with a photo if possible and names of former employers, to "West Country," 122/35, Office of this Paper.

**ASSISTANT (male)**, Unqualified, single, wanted for good medium-class business in country town 50 miles from London; comfortable berth for suitable man; good references essential; state age, height, salary required in first letter. 122/51, Office of this Paper.

**ASSISTANT (Unqualified)** (about 30), Surgical Stores (Midlands); no Dispensing; experience in the fitting of Trusses, Belts, &c.; reply stating experience and salary. 123/8, Office of this Paper.

**DISPENSER**, Lady, required; must be fully Qualified; no Counter work; hours 7.30 to 4.45, Saturdays to 11.45 a.m.; no Sunday work. Write, giving fullest details, including age, salary expected, &c., to Staff Manager, Civil Service Supply Association, 425 Strand, W.C.2.

**EXPERIENCED** Unqualified Assistant (about 25-30) for 6 or 7 weeks' Relief Work, commencing August 20, South London (quick middle-class business) with possible permanency for suitable man; state age, height, full details of experience and salary expected. 122/30, Office of this Paper.

**LADY Assistant**, permanency, required immediately for Dispensing and Counter Business; good Window-dresser and able to take temporary charge; state experience and, in first letter, salary required (outdoors). Bryant, 46 Turnham Green Terrace, London, W.4.

**LOCUM**, active, Qualified, for fortnight commencing Saturday, September 1, or a day or two earlier if convenient; General Mixed Country Business. Terms, &c., to Allis, Bradshaw & Chapman, Ltd., Chemists, Alford, Lincolnshire.

**LOCUM**, Qualified; August 20 to September 3 (possibly longer); Assistant kept; no Sunday or half-day duty; recently Qualified would suit. Reynolds, 85 Wood Street, E.17. Phone: Walthamstow 0638.

**LOCUM**, Qualified, required, August 26 to September 8; recently Qualified Chemist will suit; not required to take charge. Please give full particulars first letter, John, Chemist, 118 Cowley Road, Uxbridge, Middlesex.

**LOCUM**, Qualified, young, wanted August 30 to September 9. Apply, with full particulars (photo if possible), to M. H. Burgess, Chemist, Danbury, near Chelmsford.

### PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 100 to 150 replies the task of returning photographs, testimonials, &c., is one of some difficulty.



**LOCUM**, young, Qualified, wanted August 19 to September 1, or August 27 to September 8; state experience, references, &c.; letter only. Mylroi, 61 South Parade, W.4.

**PHARMACY**.—Unqualified Female Assistant; good all-round experience, Dispensing, &c., necessary; for South-Western District. Write, stating age and experience, to the Staff Manager, Royal Arsenal Co-operative Society, Ltd., 148 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." Widows and single persons only considered. Note.—Canvassing of members of the General Committee or officials will disqualify.

**QUALIFIED** Assistant, male, young, for small business in Bucks; time off to study optics if desired; good Window-dresser. Apply, stating age and salary required, which must be moderate, to 122/10, Office of this Paper.

**QUALIFIED** Assistant required in S.W. district; applicants please give full particulars of experience, age and salary expected; letters unanswered in 7 days respectfully declined. 124/1, Office of this Paper.

**QUALIFIED** Assistant, young man, to take charge of branch shop, West London district, required to commence duties August 27; salary offered £3 10s., with commission. Particulars, age and experience to 122/28, Office of this Paper.

**QUALIFIED** Lady Dispenser required at once; permanent; good Counter hand; London. Apply 122/24, Office of this Paper.

**QUALIFIED** Locum, male, required for 15 days commencing Friday, September 21; Brixton, S.W.2; competent lady assistant employed; state terms, &c.; if not answered in 4 days please consider suited. P.C.B. 129/31, Office of this Paper.

**QUALIFIED** Locum required for a fortnight during this month; reliable references; moderate terms. Apply to J. Y. Fairweather, M.P.S., 363 Sydenham Road, S.E.26.

**QUALIFIED** Man; light job; comfortable hours; new business, showing good promise; suit elderly man living S.E. London; one willing to accept small salary commencement, increasing as business expands; permanency. Reply A. W. Foster, 2 Chapel Street, W.C.

**QUALIFIED** Manager (about 30), with Optical Qualification, required in good-class West London district; must be capable and energetic; please give full particulars of experience; salary £5 and commission; applications not replied in one week declined with thanks. 121/14, Office of this Paper.

**QUALIFIED** Manager required for good-class business in country town in South Cheshire; reliable Dispenser and good Salesman; single; please state age, height, experience, references and enclose photo if convenient. Young, Chemist, Nantwich.

**QUALIFIED** Superintendent, elderly (London, S.E. district), to make up stock and N.E.I. Dispensing; easy post; assistance given. State salary, which must be moderate, to P.C.B. 129/26, Office of this Paper.

**REQUIRED** in 6 to 8 weeks' time, Qualified Manager for good-class Pharmacy in Chelsea area; must be tactful, courteous Salesman, good Window-dresser and Organiser, with mature experience; permanent position for right man; good salary, plus commission and bonus. 246/849, Office of this Paper.

**UNQUALIFIED** Locum for 2 weeks commencing August 13; male or female. Morgan's, 115 Midland Road, Bedford.

**WANTED**.—A Qualified Assistant (about 25) for High-class Dispensing Business; permanency. Apply 120/3, Office of this Paper.

**WANTED**.—Temporary Assistant, Qualified, from August 15-29; state age, salary required and references. Crawford, Chemist, Horley, Surrey.

**YOUNG** Qualified Man wanted take complete charge of Dispensary, new business; moderate salary to start. Amons (Chemists), Ltd., 98 Sandbanks Road, Parkstone.

### WHOLESALE.

**LONDON** House requires the services of energetic Gentlemen for the purpose of marketing Old-established Lines showing generous profits; connections with Chemists and Druggists essential; Wales, Hereford, Gloucester, Staffordshire and Shropshire districts; liberal commission and sound co-operation; no objection to additional non-competitive lines. 246/840, Office of this Paper.

**ADVERTISING**.—Wholesale Chemists require Qualified Chemist with literary ability, advertising experience and some knowledge of medicine. Give particulars of experience, salary asked, &c., to 246/850, Office of this Paper.

**CHEMIST**, male, practical, competent, to take charge of small laboratory and staff Making and Packing Toilet and Perfumery Lines for Hairdressing Trade; please state age, experience, wage, &c. Watts Bros. (Manchester), Ltd., 72 Cannon Street, Manchester.

**EXPERIENCED** Store-keeper required by firm of Manufacturing Chemists; knowledge of Book-keeping essential. Give particulars of experience and salary required to 122/13, Office of this Paper.

**JOHN RICHARDSON & CO., LTD.**, Manufacturing Chemists, Leicester, require the services of an experienced Representative in the North of England; preference given to one who possesses some connection; applicants should give full particulars, which will be treated confidentially.

**MALT AND OIL**.—Well-known Manufacturers require Representatives with good connections; all areas; splendid commission terms; reply in confidence, age, area covered, fullest particulars, &c. 246/844, Office of this Paper.

**MANUFACTURERS** of Agricultural and Veterinary Products require Traveller for Gloucestershire, Somersetshire, Bristol, &c.; salary, expenses, commission; only tactful, efficient Salesmen need apply; references must be undeniable. Apply, giving full particulars of experience, &c., to 120/2, Office of this Paper.

**PERFUMERY** Representative wanted for South and West of England by well-known London Perfumery Manufacturers; only first-class Travellers with extensive and recent experience in this territory actually selling Perfumery to Chemists, Hairdressers, &c., with established connection, and who state age, full details of experience, firms represented, duration of service, &c., will be considered; permanency with prospects for right gentleman. Write (in confidence) to 246/839, Office of this Paper.

**REPRESENTATIVE** required by London Wholesale Druggists; to call upon Medical Men in suburbs; previous experience in travelling not essential, but good knowledge of Drug Trade important. Apply with full particulars to 246/838, Office of this Paper.

**REPRESENTATIVE** to call upon Medical Men in the Northern Provinces is required by a firm of Manufacturing Chemists of the highest international standing. Application is invited from gentlemen of good education and address, and preferably with some medical training or experience in calling upon or connection with the profession. Candidates must have a knowledge of spoken French or German and be a graduate of a Provincial University. He will probably be required to reside in Lancashire or Yorkshire. Pharmaceutical qualification is desirable, but not essential. 246/843, Office of this Paper.

**REQUIRED**.—First-class Tablet Compressor; London area. Write, stating experience and salary required, to 246/842, Office of this Paper.

**SURGICAL** Appliance and Truss Fitter (male), experienced in Sales Correspondence, required by well-known Surgical Appliance Manufacturers for Fitting and Correspondence Departments; must be able to commence immediately; replies must be in own handwriting, giving full particulars of experience, age, salary required, and if married or single. 246/848, Office of this Paper.

**SURGICAL** Instruments.—J. C. Arnfield & Sons, Ltd., Stockport, require a Young Assistant with a knowledge of Surgical Instruments and the fitting of Belts, Trusses and Surgical Appliances; some knowledge of drugs an advantage. Apply by letter only, addressed to the Managing Director, with full particulars of age, previous experience and wage required.

**TELEPHONE** Clerk (female) required by London Wholesale Druggists; knowledge of trade essential. Write, with particulars of experience, salary required, &c., 246/845, Office of this Paper.

**THE** British Agents for Graifx Hygien and Graifx Transparent Rubber Products require London and Provincial Representatives, with good connection amongst Retail Chemists, to handle the above branded packs as additional lines on liberal commission basis. Apply, with particulars of territory required, to 246/851, Office of this Paper.

**WANTED IMMEDIATELY**.—Three Men calling on Chemists and Hairdressers; to carry good Toilet range; areas: Lancs and West, Yorks and East, South Coast. References and particulars to Exe Valley Toilet Products, Exeter.

### NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensue. Strict attention to this detail will be appreciated.



## COLONIAL, INDIAN AND FOREIGN.

**WANTED FOR BURMA.**—Qualified Pharmaceutical Chemist, Scotsman preferred, single and not over 30; High-class Retail Business. Send photograph (which will be returned), with full particulars of experience, and state salary required, to Box 910, Samson Clark & Co., Ltd., 57 Mortimer Street, London, W.1.

## SITUATIONS WANTED.

### RETAIL (HOME).

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

**A.A.A.**—UNQUALIFIED (26); 3 years' West End experience; competent Dispenser, Salesman, Photographics, also Veterinary experience; expert Window-dresser; highest references; London or South Wales preferred. Jenkins, "Achlan," Woodland Avenue, Baylis Estate, Slough.

**A** QUALIFIED Manager requires position in London or suburbs as Branch Manager; 20 years' experience. Davies, 109 Alexandra Drive, Surbiton, Surrey.

**A** STEADY, reliable Qualified seeks post as Manager; age 38; Qualified London, 1919; abstainer; middle-class experience; good Salesman and Window-dresser; free August 13. Chemist, 115 Bowes Road, Palmers Green, N.13.

**A** N M.P.S. (40), married, desires permanency as Manager or Assistant with prospects; London district; thoroughly experienced, including 8 years' West End; courteous, keen and reliable. 121/6, Office of this Paper.

**A** SSISTANT; competent Dispenser and Salesman; 25 years' experience; single, active, Unqualified. "Aspirin," 61 Fartown Green Road, Fartown, Huddersfield.

**A** SSISTANT (38), male, as Locum, Unqualified; tall; disengaged first fortnight in September; competent worker, with many years' experience in all classes of work; accurate Dispenser; distance no object. Carpe Diem, 20 Thingwall Avenue, Broadgreen, Liverpool.

**A** SSISTANT (21); Part I; tall; thoroughly experienced Retail trade; Photography, Window-dressing, Counter, Dispensing. 122/55, Office of this Paper.

**A** SSISTANT (20); 3½ years' experience working-class district; Dispensing, Counter, Window-dressing; locum considered. King, 56 Wentfield Gardens, Kenton.

**D** ISPENSER (23), Hall certificate, experienced in Hospital and Doctor's Dispensing, requires position immediately. 122/52, Office of this Paper.

**E** VENINGS in West London only.—University graduate, Qualified Pharmacist, desires evening appointment, from 6 p.m.; past experience in Hospital and Retail; Salesmanship ability and personality above the average. "Alpha," 35 Crowhurst Road, S.W.9.

**G** ENTLEMAN (28), F.S.M.C. (eligible J.C.Q.O.), with excellent Pharmaceutical experience, desires post as Optician, also assisting in Pharmacy; or would introduce Optics; part equipment if necessary. 122/33, Office of this Paper.

**L** ADY (Hall); experienced Locum, Doctors or Institution; whole or part time; free last two weeks both of August and September; London area. Jones, 3 Akenside Road, Hampstead, Hampstead 1506.

**L** ADY, Unqualified, seeks post; Dispensing, Counter and Stock; excellent references; free August 13. "M.," 7 Dunbar Road, Forest Gate, E.7.

**L** ADY (30), Qualified; tall; capable of taking charge; disengaged; all-round experience; London or South Coast preferred. "Chemist," "South Side," Telscombe Cliffs, Sussex.

**L** EEDS OR BRADFORD AREA.—Qualified (28), thoroughly experienced, desires permanency; company or private. 121/16, Office of this Paper.

**L** OCUM or Permanency; Unqualified (45); Dispensing, Counter, Surgical; excellent references; free August 20. A. B., 2 Walham Grove, Fulham, S.W.6.

**L** OCUM, Qualified, all-round experience, requires September bookings. Chemist, 50 Grove Lane, Camberwell, S.E.5.

**L** OCUM, Qualified; highest references; from September 3; fully experienced. Jenkins, "Greenmount," Ferndale Road, Teignmouth.

**L** OCUM, Qualified; varied experience; good references; disengaged August 27. Hoskins, c/o Mr. Gafan, Chemist, Urmston, Manchester.

**L** OCUM (38), Unqualified; experienced all branches and reliable; free now. H., The Pharmacy, Sberingham.

**L** OCUM (42), Unqualified, tall; disengaged August 11; energetic, abstainer; undeniable references; can travel. Mack, 18 Aycliffe Road, W.12.

**M** ANAGER (30); keen Salesman, good Business Builder; makes those extra sales that count; married; all-round experience. 122/38, Office of this Paper.

**M.P.S.** (33), 9 years' Managing experience, desires position as Branch Manager; honest and reliable; moderate salary. 122/53, Office of this Paper.

**Q** UALIFIED Assistant (23); permanency; tall; used to heavy N.H.I., practical D. & P., efficient Stock-keeper; not afraid of hard work; excellent references. Horsfall, 4 Stoodley View, Hebden Bridge.

**Q** UALIFIED (25), with good all-round experience, desires situation, London or Suburbs. 122/49, Office of this Paper.

**T** HOROUGH, all-round experience with high-class Pharmacists (39); Unqualified; good credentials. Barnes, 21 Disraeli Road, Putney, S.W.15.

**Y** OUNG Nurse, fairly good knowledge Dispensing, requires post with doctor. Miss Rosser, Millbrook, Abbey Road, Neath, S. Wales.

**£500**—A-YEAR Man seeks new opportunities, home or abroad, Wholesale or Retail; Qualified (31), medallist, married, ambitious; experienced Manager, Expert Sales, Display, Photographic and Ciné; any remunerative proposition considered in or out of pharmacy; interview. 122/9, Office of this Paper.

## WHOLESALE.

**A** N Accomplished Medical Interviewer and skilled Propagandist, with wide experience and a unique knowledge of Medical Men, their requirements and susceptibilities, desires re-engagement. "Zealous," 21 Gloucester Place, Brighton.

**A** NALYTICAL Chemist, B.Sc. (22), requires post; wide experience all kinds of General and Commercial Analysis. P.C.B. 129/20, Office of this Paper.

**F** IRST-CLASS Representative, 12 years' personal connection Chemists, Stores and Hairdressers, West End and Suburbs, desires appointment; disengaged; salary, expenses and commission only. P.C.B. 129/27, Office of this Paper.

**P** HARMACIST (38); experienced Representative; London connection; salary, expenses and commission. Apply "Chemist," Flat 2, 79 Upper Tulse Hill, London, S.W.9.

**Q** UALIFIED; experienced Sales Manager or Special Representative; highest references leading English, American and Continental Manufacturers of Pharmaceutical Specialities and Fine Chemicals; Sales Schemes, Professional or Lay, Interviewing Professions and Trade, Compilation Medical Literature, Designing Showcards, Controlling Representatives. 122/39, Office of this Paper.

**S** MALL firm annually working by its managing director Scotland, North England, Cornwall, Devon, S. Wales, Northern Ireland will look after the interests of any firm on this territory for £300 p.a. (or more) and share of profits, or commission on results; a Proprietary line preferable; we have over 7,000 customers; best definite offer receives first consideration; 26 years' selling experience all trades. 122/25, Office of this Paper.

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If wrappers bear a halfpenny stamp only, postal delivery may be delayed.



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**FROM THE LOW FIGURE OF £10 17s. 6d.**

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**LIMITED COMPANIES REGISTRATION.**—As the older chemists know, this small advertisement has now appeared here for over 25 years. If an experienced agent, whose terms are somewhat lower than any quotation you can get anywhere, can help you, write for free advice to **A. BERNARD SLACK, 721 Princess Road, West Didsbury.**

**SHOPFITTINGS.**—Second-hand, reconditioned and repolished. All sizes and shapes. Half to-day's prices. Sketches and full particulars on receipt of detailed requirements. Call or write, **PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1.** Telephone: Clerkenwell 2191. "Pharmacy Fitters for over a Century."

**GO—COMPLETE CHEMIST FITTINGS** at any price you wish to pay. We have erected in our showroom a Complete Chemist's Shop with Metal Shop Front, Window Backs, Correct Window Lighting Signs and Modern Interior Fittings. Apply for Lists. **D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters,"** 14 and 16 Manchester Street, Liverpool. Est. 1848.

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**THE CHEMIST AND DRUGGIST**  
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**September 22, 1934**

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